UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

SEP 13 2012

CERTIFIED MAIL- RETURN RECEIPT REQUESTED

Mr. J. Ryan Benefield, P.E.
Acting Chief, Hazardous Waste Division
Arkansas Department of Environmental Quality
5301 Northshore Drive
North Little Rock, AR 72118

RE: United States Environmental Protection Agency (EPA), Region 6 Risk-based Polychlorinated Biphenyl (PCB) Disposal Approval (40 CFR§ 761.61(c)) to the Arkansas Department of Environmental Quality (ADEQ) for the Remedial Action Decision Document (RADD) Concerning Utility Service Inc. (USI), Located at Pine Bluff, Arkansas.

Dear Mr. Benefield:

We are in receipt of the ADEQ RADD dated June 2012, in which the ADEQ selected a risk-based remedy for PCB contamination at the former USI site near Pine Bluff, Arkansas. The RADD was Public Noticed by the ADEQ with a 45 day comment period that closed on August 13, 2012. No comments were received during the comment period. EPA Region 6 hereby approves the RADD pursuant to the PCB risk-based disposal regulations (see 40 CFR § 761.61(c)).

USI was in operation during the 1970s and 1980s as an oil filtering service for transformer owners that contained regulated PCBs and as a wood treating operation. The site operation ceased in 1983, and is currently occupied by 5 property owners in 3 homes. This site was placed on ADEQs State Priority List (SPL) in 1993. After an initial site cleanup was completed in 1994, further site assessments were conducted. Comprehensive site assessments were conducted for ADEQ through 2011. This information was used to complete the RADD. PCB concentrations were found on approximately 2 acres of the 5 acre site due to poor housekeeping practices. PCB contamination was found in soils, concrete, groundwater, and onsite equipment due to the improper disposal of filter materials. Eleven Constituents of Potential Concern (COPC) including Pentachlorophenol (PCP) and PCBs contributed to groundwater contamination at the site.

The ADEQ conducted a risk assessment on the removal options selected which was reviewed by EPA Region 6 and found to comply with CERCLA risk assessment guidelines. The risk assessment included exposure scenarios for the current residents. The remedy selected for PCBs included removal of all PCB contaminated soil above the risk-based limit of 10 ppm and replaced with clean fill. PCBs in concrete shall be removed above 25 ppm, with repairing of the slab once PCB contaminated concrete has been removed. All PCB contaminated equipment shall be dismantled and disposed. All remediated PCB wastes shall be disposed offsite in accordance with the PCB regulations.

Groundwater shall be monitored in five onsite monitoring wells by ADEQ annually for 5 years to determine if the removal remedy results in further attenuation of the COPC. If no decline in COPC levels are noted, the ADEQ may pursue a new remedial groundwater remediation alternative. Remedial activities for PCBs including excavation, verification sampling, storage, and disposal shall follow EPA PCB regulations.

If you have question or comments, please contact Mr. Jim Sales of my staff at (214) 665-6796.

Sincerely yours,

Carl E. Edlund, P.E.
Director
Multimedia Planning and
Permitting Division

FACT SHEET
PCB RISK-BASED REMEDIATION
UTILITY SERVICES, INC.
PINE BLUFF, ARKANSAS

ACTION

SEP 1 8 2012

Issuance of a PCB approval pursuant to 40 CFR § 761.61(c) for a risk-based cleanup of PCB contaminated soils, concrete, and equipment at the former Utility Service, Inc. (USI) State superfund site in Pine Bluff, Arkansas.

BACKGROUND

1. EPA issues PCB approvals for State superfund sites directly to the State after EPA has reviewed the proposed Remedial Action Decision Document (RADD) and the State has completed any Public Notice requirements for the site.

2. USI was in operation during the 1970s and 1980s as an oil filtering service for transformer owners that contained regulated PCBs and as a wood treating operation. The site operation ceased in 1983, and is currently occupied by 5 property owners in 3 homes. This site was placed on ADEQs State Priority List (SPL) in 1993. After an initial site cleanup was completed in 1994, further site assessments were conducted.

3. Comprehensive site assessments were conducted for ADEQ through 2011. This information was used to complete the RADD. PCB concentrations were found on approximately 2 acres of the 5 acre site due to poor housekeeping practices. PCB contamination was found in soils, concrete, groundwater, and onsite equipment due to the improper disposal of filter materials. Eleven Constituents of Potential Concern (COPC) including Pentachlorophenol (PCP) and PCBs contributed to groundwater contamination at the site.

4. PCB concentrations ranged upward into the several hundred ppm. Groundwater contamination was detected at about 115 ppb.

5. The ADEQ conducted a risk assessment on the removal options selected which was reviewed by EPA Region 6 and found to comply with CERCLA risk assessment guidelines. The risk assessment included exposure scenarios for the current residents. The remedy selected for PCBs included removal of all PCB contaminated soil above the risk-based limit of 10 ppm and replaced with clean fill. PCBs in concrete shall be removed above 25 ppm, with repairing of the slab once PCB contaminated concrete has been removed. All PCB contaminated equipment shall be dismantled and disposed. All remediated PCB wastes shall be disposed offsite in accordance with the PCB regulations.

6. Groundwater shall be monitored in five onsite monitoring wells by ADEQ annually for 5 years to determine if the removal remedy results in further attenuation of the COPC. If no decline in COPC levels are noted, the ADEQ may pursue a new remedial groundwater remediation alternative. Remedial activities for PCBs including excavation, verification sampling, storage, and disposal shall follow EPA PCB regulations.

STATE ISSUES

The ADEQ has the lead on site cleanup. After EPA approval, ADEQ must get approval for the monies required to implement the RADD, and then get bid proposals from contractors for ADEQ selection.

PUBLIC NOTICE

A Public Notice (PN) announcing ADEQ's proposed decision to approve the RADD was issued by ADEQ on June 29, 2012, which opened a 45-day comment period that closed on August 13, 2012. No comments were received during the comment period.

LOCAL COMMUNITY ISSUES

There are no known community issues regarding USI.

ENFORCEMENT ISSUES

There are outstanding EPA TSCA enforcement actions regarding this facility.

RECOMMENDATION

I recommend that this approval be granted.

James Sales, Envr. Engr.

9-11-12
Date

State of Arkansas

Arkansas Department of Environmental Quality

Remedial Action Decision Document

Utility Services, Inc.
Pine Bluff, Jefferson County, Arkansas

~~June 2012~~

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Acronyms & Abbreviations

ADEQ	Arkansas Department of Environmental Quality
APC&EC	Arkansas Pollution Control and Ecology Commission
ADH	Arkansas Department of Health
ACA	Arkansas Code Annotated
AP&L	Arkansas Power and Light
bgs	below ground surface
BNA	Base, Neutral, Acid
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CESI	Consolidated Environmental Services, Inc
CFR	Code of Federal Regulations
COPC	Constituent of Potential Concern
CSA	Comprehensive Site Assessment
DCE	Dichloroethene
DDE	Dichlorodiphenyldichloroethylene
ESI	Expanded Site Inspection
FTN	FTN Associates Ltd. Consulting Firm
GWMP	Groundwater Monitoring Plan
HI	Hazard Index
HHRA	Human Health Risk Assessment
LCR	Lifetime Cancer Risk
MCL	Maximum Contaminant Level
NFA	No Further Action
PA/SI	Preliminary Assessment/Site Inspection
PCB	polychlorinated biphenyl
PCP	pentachlorophenol
PCE	tetrachloroethene
ppm	parts per million
USEPA	United States Environmental Protection Agency
RADD	Remedial Action Decision Document
RATFA	Remedial Action Trust Fund Act
RAM	Remedial Alternatives Memo
SLERA	Screening Level Ecological Risk Assessment
SPL	State Priority List
SVOC	Semi-Volatile Organic Compound
TAL	Target Analyte List
TCE	Trichloroethene
TCL	Target Compound List
TSCA	Toxic Substances Control Act
µg/L	micrograms per liter
VOC	Volatile Organic Compound

1.0 INTRODUCTION

The Arkansas Department of Environmental Quality – Hazardous Waste Division (ADEQ) has produced this Remedial Action Decision Document (RADD) to notify the general public of ADEQ's decision to address contamination primarily attributed to mismanagement of polychlorinated biphenyls (PCBs) at the former Utility Services, Inc. site (hereinafter "USI" or 'the site"). USI is located on Highway 79, approximately 9 miles southwest of Pine Bluff, Jefferson County, Arkansas (see **Figure 1**). USI is located on 5 acres owned by Pam Coleman and approximately two acres that are part of a 40-acre parcel owned by Dolores Gaddy (**Figure 2**). The site is currently used as a residence and as storage for construction equipment (see **Figure 3** for site structures).

Historical operations at the site included wood treatment and transformer oil recycling. Poor housekeeping practices have resulted in contamination of soil, groundwater, concrete, and equipment. Constituents used in wood treatment operations, such as pentachlorophenol (PCP), have contributed to groundwater contamination. Transformer oil recycling activities have led to PCB contamination of soil, equipment, and the shop building. The site is currently inactive.

This RADD highlights the potential risks posed by contaminated areas which have been categorized into Areas of Concern (AOC's). ADEQ has selected a remedial alternative to address each AOC based on criteria which is protective of human health and the environment. The AOC's and their associated remedy are summarized below:

AOC 1: Contaminated Soils – removal of all soil > 10 ppm polychlorinated biphenyls (PCBs)
AOC 2: Contaminated Concrete– limited removal of PCB contaminated concrete and replacement with uncontaminated concrete
AOC 3: Contaminated Equipment – dismantling and removal of PCB contaminated equipment
AOC 4: Groundwater – Monitored Natural Attenuation
AOC 5: Intermittent Stream – allow other remedies & natural processes to degrade the contaminants

This RADD and associated documents are available for public review at the locations listed in Section 11.0. The public is encouraged to voice any concerns during the public comment period before the remedies are initiated. This RADD is issued under the authority of the Arkansas Remedial Action Trust Fund Act (ACA 778-7-501 et seq.).

2.0 SITE BACKGROUND

USI began operations in 1973 by painting rice bins. In 1975, USI constructed a transformer oil filter rig mounted on a transportable trailer, which was hauled to large transformer sites in the central United States for filtering oil containing PCBs from electrical transformers and other electrical equipment. The PCBs encountered at this site are of the Aroclor series. Aroclor is a PCB mixture produced from approximately 1930 to 1979. It is one of the most commonly known trade names for PCB mixtures. There are many types of Aroclors and each has a distinguishing suffix number that indicates the degree of chlorination.

USI primarily reclaimed oil for regeneration, but other USI services included re-gasketing and repairing transformer bushings, salvaging and reclaiming component parts of used electrical equipment, some of which contained PCB-bearing oils. Some laboratory reclamation was

provided at the site. A small wood preserving facility operated on site from the 1960s to approximately 1980, and pentachlorophenol (PCP) as well as scrap transformer oil was used as a preservative to treat wood fence posts. USI ceased operations in 1986. Consequently, USI's charter was revoked on March 21, 1990.

The earliest known regulatory involvement was an investigation of the USI site conducted on March 5, 1981, when an ADEQ inspector observed several areas where oil had pooled and entered a small intermittent stream north of the facility. There was a concrete structure, which contained two, 1000-gallon Westinghouse breaker tanks and two 55-gallon drums. The containment structure held approximately six inches of water with an oily film. ADEQ collected a sample of the water on April 2, 1981 and collected four soil samples. PCB levels in soil samples were below 50 parts per million (ppm) but the PCB level in the water sample was 115 micrograms per liter (µg/L).

ADEQ personnel conducted an investigation at the USI site on November 8, 1990 in response to a complaint received on October 23, 1990. ADEQ determined that hazardous substances, including PCBs, PCP, and tetrachloroethene (PCE), were released or were a threat of release at the site due to loss of integrity of the containers. On-site PCB contamination primarily resulted from the disposal of filter materials from the filter trailer, the receipt of PCB-contaminated transformer oil from off-site for filtering, and the collection and disposal of transformer oil samples shipped to USI for testing. Hazardous substances, which had not been released, were either stored in containers (i.e., 55-gallon drums and 5-gallon pails), or tanks. Most of the containers and tanks were in poor condition. There were many empty drums found at the site as well. There was a concrete secondary containment unit for two 1500-gallon tanks containing high concentrations of PCBs and two 55-gallon drums with high concentrations of PCBs, trichloroethene (TCE), and PCE.

On or about February 14, 1991, a fire occurred near the site demonstrating the potential for further release and migration of hazardous substances at the site.

As a result of the November 1990 site inspection and February 14, 1991 fire, ADEQ issued Consent Administrative Order (CAO) LIS No. 91-037 on February 21, 1991 to Arkansas Power & Light (AP&L). AP&L was identified as a possible generator of one of the hazardous substances found at the site, and therefore a responsible party liable to the state for a portion of the costs of remedial actions at the site. In compliance with the CAO, AP&L conducted stabilization activities at the site in 1991 including:

1 Removal and storage of all liquids from the secondary containment unit;
2 Removal of liquid materials from the secondary containment unit and covering the unit with a tarp to prevent accumulations of rainwater;
3 Repacking and/or overpacking all drummed materials;
4 Erecting fencing with locked gates at the site to prevent public access and posting warning signs; and
5 Submitting progress reports in regard to the stabilization and monitoring of the site.

ADEQ issued CAO LIS No. 93-077 and Remedial Action Trust Fund Act (RATFA) Administrative Notice of Liability on May 12, 1993 (LIS No. 93-078), to all entities identified as potentially liable for the site to provide information and undertake remedial actions at the site. AP&L responded by retaining Consolidated Environmental Services, Inc (CESI) for waste characterization and removal activities at the site. Cleanup operations began in October 1993 and

offsite shipment of all wastes was completed by March 30, 1994. A total of 185 drums of wastes were taken offsite. The site was listed on the State Priority List (SPL) in 1993 so state funds could be available for long-term investigation or remediation if necessary. The stabilization and removal of hazardous wastes at the site is the only remedial action taken at the site to date. After stabilization, Entergy performed site inspections and maintenance from 1992 through 2004.

ADEQ conducted a Preliminary Assessment/Site Inspection (PA/SI) on July 27, 2004. A total of 20 surface soil, subsurface soil, and sediment samples were collected for analysis of Target Compound List (TCL) organics [Base, Neutral, Acid (BNA) fractions only], TCL Pesticides/PCBs, and Target Analyte List (TAL) metals. A number of metals and pesticides, as well as PCBs were detected at concentrations significantly above background levels.

ADEQ conducted an Expanded Site Inspection (ESI) on May 22, 2007. A total of 31 surface soil, subsurface soil, and sediment samples were collected for analysis of BNAs, TCL Pesticides/PCBs, and TAL metals. A number of metals and pesticides, as well as PCBs were detected at concentrations significantly above background levels.

FTN Associates Ltd. (hereinafter FTN), whom ADEQ retained as its design professional contractor, was tasked with developing reports and conducting field investigations to support a remedy decision. Documents supporting this RADD include the FTN Comprehensive Site Assessment Report dated January 1, 2009, revised March 11, 2009 and the FTN Remedial Alternatives Memo dated June 9, 2010, revised August 2, 2010.

The nature and extent of the PCB contaminated soil area (AOC 1) was not sufficiently determined during the CSA and required further delineation. On April 5, 2011, FTN conducted grid sampling around the perimeter of PCB contaminated soil identified in the CSA. The grids had dimensions of 30' by 30' from which 9 point composite samples were taken. Two more grid sampling events, on June 1, 2011 and on July 11, 2011, were required to further delineate the nature and extent of contamination. Grid sampling was conducted in accordance with the Toxic Substances Control Act (TSCA) regulations found in Title 40 of the Code of Federal Regulations at part 761 (40 CFR Part 761). All three grid sampling locations and results are identified in **Figure 4**.

3.0 SUMMARY OF SITE RISK

A Human Health Risk Assessment (HHRA) and a Screening Level Ecological Risk Assessment (SLERA) were performed to assess potential risks to human health and ecological receptors, respectively. The remedial alternatives selected by ADEQ (see Section 6.0) encompass both ecological and human health protectiveness.

A. Human Health Risk Assessment

The HHRA considered non-cancer health effects and theoretical lifetime cancer risk (LCR) scenarios based on current and future use at the site. The areas evaluated for the HHRA included groundwater, surface soils, and subsurface soils. Surface water and sediment from a nearby unnamed tributary were also evaluated to determine potential human health exposure risks.

The potential for human exposure to constituents in soil is affected by the depth and spatial distribution of contaminants in soil. Constituents present in soils at or near the soil surface (0 to 1

ft bgs) are much more likely to be directly contacted than constituents in deeper soils. Therefore, Constituents of Potential Concern (COPCs) were evaluated separately for surface soil and sub-surface soil. **Figures 5 & 6** portray the general extent of soil PCB contamination.

Constituents of Potential Concern in Surface Soils

Four (4) constituents in surface soils had detected concentrations above residential soil screening levels and were retained as COPCs in the HHRA. These COPCs are 4, 4-DDE, pentachlorophenol (PCP), Aroclor-1254, and Aroclor-1260. Aroclor-1254 was the most wide spread, encompassing approximately a 2.2 acre area across the site. Receptors evaluated in the HHRA include a trespasser child-at-play, a current/future on-site resident, a future commercial/industrial worker, and a future construction worker.

Trespasser Child-at-Play

The non-cancer risk for the trespasser child-at-play resulted in a Hazard Index (HI) of 2.0, which could represent a slight human health hazard. This non-cancer risk is driven by Aroclor-1254 via the ingestion and dermal contact pathways. The theoretical LCR for the trespasser child-at-play is 9E-06, which is within EPA's acceptable cancer risk range of 1E-06 to 1E-04.

Current/Future On-Site Resident

The non-cancer risk for the current/future resident resulted in a HI of 60, which could represent a significant human health hazard. This non-cancer risk is driven by Aroclor-1254 via the ingestion and dermal contact pathways. The theoretical LCR for the current/future on-site resident is 3E-04, which indicates a significant potential cancer risk. This cancer risk is driven by Aroclor-1254 via the ingestion pathway.

In addition, a future resident was evaluated for consumption of produce being grown in on-site surface soils. The non-cancer risk resulted in a HI of 10, which represents a potential human health hazard. This non-cancer risk was driven by the presence of Aroclor-1254 in surface soils. The theoretical LCR is 2E-04, which indicates a potential cancer risk. This cancer risk is driven by Aroclor-1254.

Future Commercial/Industrial Worker

The non-cancer risk for the future commercial/industrial worker resulted in a HI of 6, which may represent a slight human health hazard. This non-cancer risk is driven by Aroclor-1254 via the ingestion and dermal pathways. The theoretical LCR for the future commercial/industrial worker is 9E-05, which is within EPA's acceptable cancer risk range of 1E-06 to 1E-04.

Future Construction Worker

The non-cancer risk for the future construction worker resulted in a HI of 5, which represents a potential human health hazard. This non-cancer risk is driven by Aroclor-1254 via the ingestion and dermal pathways. The theoretical LCR for the future construction worker is 8E-06, which is within EPA's acceptable cancer risk range of 1E-06 to 1E-04.

Constituents of Potential Concern in Subsurface Soils

Aroclor-1016 and Aroclor-1254 were detected in subsurface soils at concentrations above the protection of groundwater screening levels, indicating the potential for these constituents to migrate to groundwater. In addition, these PCB constituents also exceeded direct contact screening levels and were retained as COPCs in the Human Health Risk Assessment (HHRA). Receptors evaluated for direct contact with subsurface soils include the future commercial/industrial worker and the future construction worker.

Future Commercial/Industrial Worker

The non-cancer risks for the future commercial/industrial worker resulted in a HI of 2, which may represent a slight human health hazard. This non-cancer risk is driven by Aroclor-1254 via the dermal contact pathway. The theoretical LCR for the future commercial/industrial worker is 3E-05, which is within the EPA's acceptable cancer risk range of 1E-06 to 1E-04.

Future Construction Worker

The non-cancer risks for the future construction worker resulted in a HI of 4, which may represent a slight human health hazard. This non-cancer risk is driven by Aroclor- 1254 via the ingestion and dermal contact pathways. The theoretical LCR for the future construction worker is 2E-06, which is within the EPA's acceptable cancer risk range of 1E-06 to 1E-04.

Constituents of Potential Concern in Groundwater

Eleven (11) constituents in groundwater had detected concentrations above maximum contaminant levels (MCLs) or tapwater screening levels and were retained as COPCs in the HHRA. These COPCs include:

- Acrolein
- Benzene
- 1, 1-Dichloroethane
- Cis-1, 2-DCE
- 1, 2, 4-Trichlorobenzene
- PCE
- TCE
- Pentachlorophenol (PCP)
- Aroclor-1016
- Aroclor-1248
- Aroclor-1254

Figure 7 identifies the locations and concentrations of COPCs in groundwater. The current/future on-site resident was evaluated in the HHRA for possible exposure to site groundwater.

Current/Future On-Site Resident

The non-cancer risk for the current/future on-site resident was based on the more conservative exposure to a child resident. The non-cancer risk for the current/future resident resulted in an HI of 200, which represents a significant potential human health hazard. This non-cancer risk is driven by Acrolein via the inhalation pathway, 1, 2, 4-trichlorobenzene via the ingestion and inhalation pathways, Aroclor-1016 via the dermal contact pathway, and Aroclor-1254 via the ingestion and dermal contact pathways. The theoretical LCR was based on combined risks to the child and adult receptors. The theoretical LCR for the current/future resident is 2E-03, which indicates a significant potential cancer risk. This cancer risk is driven by PCE via the ingestion and dermal contact pathways, TCE via the ingestion and inhalation pathways, Aroclor- 1248 via the dermal contact pathway, and Aroclor-1254 via the dermal contact pathway.

The indoor air inhalation pathway for the on-site resident was also evaluated. The non-cancer risk for the current/future on-site resident for inhalation of indoor air via the vapor intrusion pathway resulted in a HI of 0.6, which is below an HI of 1. The theoretical LCR for the current/future on-site resident is 3.0 E-05, which is within the EPA's acceptable cancer risk range of 1E-06 to 1E-04.

Constituents of Potential Concern in Surface Water and Sediment

Surface Water

Surface water samples were collected from the unnamed tributary to Big Creek and evaluated for COPCs. There were no constituents above MCLs or tapwater screening criteria for human health exposure to site surface water. Therefore, no COPCs were retained for further risk evaluation for surface water.

Sediment

One constituent in sediment had detected concentrations above residential soil screening levels and was retained as a COPC. This constituent was Aroclor-1254. The only receptor evaluated for possible exposure to on-site sediment within the unnamed tributary was the trespasser child-at-play. The non-cancer risk for the trespasser child-at-play was 0.01, which is below an acceptable hazard quotient (HQ) of 1. The theoretical LCR for the trespasser child-at-play was 4E-08, which falls within the EPA's acceptable cancer risk range of 1E-06 to 1E-04.

Constituents of Potential Concern in Contaminated Equipment and Piping

An investigation conducted by FTN in May 2010 indicated that some of the remaining equipment and piping at the site was possibly contaminated from a reclaiming process of transformer oils which contained PCBs as part of former site operations. Wipe samples were obtained from the surfaces of the equipment and piping and analyzed for PCBs. Items that are contaminated include the piping that exists at the site between the shop building and the aboveground storage tanks, an aboveground storage tank located inside the shop building, countertops and work surfaces also located in the shop building, and the aboveground storage tanks located west of the shop building. Oils from the operations process has the potential to be released from the piping or tanks which could lead to further contamination at the site or exposure to site occupants.

Constituents of Potential Concern for Contaminated Concrete

The May 2010 FTN investigation indicated that the concrete slab located under and around the shop building is also contaminated with PCBs. Wipe sampling results indicate that PCB contamination of the concrete slab ranges from less than 1 ppm to as high as 27.2 ppm within the shop building and as high as 240 ppm outside the shop building. Wipe samples of the shop building itself did not indicate any surface contamination.

B. Screening Level Ecological Risk Assessment (SLERA)

A SLERA was conducted since the site is located near environmental habitats including a small wetlands area and forested areas which can provide ecological habitats and food chain sources for avian species (birds), small mammals (raccoons), and terrestrial wildlife (deer). An on-site stream provides a drinking water source, food chain sources, and habitat for aquatic macro-invertebrates, fish, amphibians (frogs), and reptiles (snakes). Sediment within the stream provides habitat for benthic organisms. The SLERA assessed the eco-toxicity of COPCs detected in surface soil, surface water and sediment and its effect on aquatic, avian, and terrestrial ecological habitats.

Surface Soils

Eight (8) COPCs were retained for evaluation of ecological exposure to surface soils. These COPCs are lead, zinc, pentachlorophenol (PCP), 4,4-DDE, 4,4-DDT, aldrin, endrin, Aroclor-1016, Aroclor-1254 and Aroclor-1260. These COPCs are selected based on comparisons to soil ecological benchmarks, regional ecological screening values (ESVs), and natural background comparisons. Aroclors pose the greatest ecological concern in soils.

Sediment

As a result of exceeding ecological screening levels for sediment, two COPCs were retained. These include 4,4-DDE and Aroclor-1254. Aroclor-1254 is most likely present in sediment due to site related activities.

Surface Water

Surface water samples were collected from the on-site unnamed tributary. The surface water samples were compared to a hierarchy of screening levels beginning with APC&EC Regulation No. 2 surface water quality standards, federal ambient water quality criteria for the protection of aquatic organisms (FAWQC), Region IV ecological screening values for surface water, and the Preliminary Remediation Goals. PCE and TCE were the only constituents detected in surface water; however, the maximum detected concentrations of these constituents did not exceed ecological screening levels for surface water. Therefore, no COC's were retained for surface water and no further ecological risk evaluations were warranted for this media.

Threatened and Endangered Species

Records do not indicate the occurrence of rare plants or animals, outstanding natural communities, natural or scenic rivers, or other elements of special concern located within the USI site boundaries. However, the Arkansas Natural Heritage Commission (ANHC) indicates an occurrence of one species of interest located within a quarter mile of the USI site. A protected, rare, and critically imperiled crayfish (*Fallicambarus gilpini*) has been recorded from two near-by roadside ditch locations along U.S. Highway 79.

Protected Waterways

The unnamed intermittent stream on the USI site drains into Big Stream which is a tributary of the Saline River which falls within the lower Saline River Drainage. ANHC reports that the Saline River is designated as an Extraordinary Resource Water, Ecologically Sensitive Waterbody, and a Natural and Scenic Waterway under APC&EC Regulation No. 2. It is also in the State system of Natural and Scenic Rivers, and on the Nationwide Rivers Inventory. The Lower Saline River is known to support a variety of rare aquatic species including the pine mucket mussel (*Lampsilis* abrupta) which is listed by the U.S. Fish and Wildlife Service as endangered.

4.0 SUMMARY OF REMEDIAL APPROACH

The steps used in deciding on a remedy included: identify the contaminated media, gather multiple potential remedies for each contaminated media, and then select the remedy to best address the contamination. Contaminated media have been categorized into areas of concern (AOC's) which include:

AOC 1: Contaminated Soils
AOC 2: Contaminated Concrete
AOC 3: Contaminated Equipment
AOC 4: Groundwater
AOC 5: Intermittent Stream

For each AOC, a list of potential remedies (i.e. remedial alternatives) was generated to provide a variety of options to address contaminated areas. The U.S. EPA mandates that the cleanup and disposal of PCB contamination comply with the TSCA regulations. Therefore, all remedial alternatives are in accordance with the TSCA regulations found in Title 40 of the Code of Federal Regulations at part 761 (40 CFR Part 761). The remedial alternatives for AOC 1 and AOC 2 were originally found in 40 CFR Part 761.61(a) titled *Self-implementing on-site cleanup procedures* and in 40 CFR Part 261.61(c) titled *Risk-based disposal approval.*

The self-implementing provisions of 40 CFR §761.61(a) impose occupancy time frames for PCB contaminated areas based on the level of cleanup provided. "High occupancy areas" are generally defined as areas where PCB waste has been disposed and where annual occupancy for an individual not wearing dermal and respiratory protection is 335 hours **or more** (6.7 hours or more per week) for bulk PCB remediation wastes. "Low occupancy areas" are generally defined as areas where PCB waste have been disposed and where annual occupancy for an individual not wearing dermal and respiratory protection is 335 hours **or less** (6.7 hours or less per week) for bulk PCB remediation wastes, including porous surfaces.

The risk-based provisions of 40 CFR §761.61(c) evaluates the remaining PCB contamination after removal. The remaining PCB contaminated media will be considered acceptable if it falls within the EPA's acceptable lifetime cancer risk range of $1X10^{-6}$ and $1X10^{-4}$.

5.0 SUMMARY OF ALTERNATIVES CONSIDERED IN THE REMEDIAL ALTERNATIVES MEMO

The remedial alternatives considered for each AOC are presented in Table 1 below and is followed by a discussion of these alternatives.

Table 1: Remedial Alternatives Considered for each AOC

AOC	Remedial Alternative Options
AOC 1: Contaminated Soils	1. High Occupancy Remedy: removal > 1 ppm for clean closure
	2. High Occupancy Remedy: removal > 10 ppm, concrete cap, deed restriction
	3. High Occupancy Remedy: removal > 10 ppm, clay cap, deed restriction
	4. Risk Based Remedy: removal > 10 ppm
	5. Low Occupancy Remedy: removal > 50 ppm, fence, deed restriction
	6. Low Occupancy Remedy: removal > 100 ppm, concrete cap, deed restriction
	7. Low Occupancy Remedy: removal > 100 ppm, clay cap, deed restriction
	8. Low Occupancy Remedy: removal > 25 ppm, deed restriction
	9. No Further Action (NFA)
AOC 2: Building and Concrete Slab	1. Clean Closure (removal of the shop building and concrete slab)
	2. High Occupancy Removal (remove concrete above 10 ppm and cap slab)
	3. Low Occupancy Removal (remove concrete above 25 ppm repair slab)
	4. NFA
AOC 3: Contaminated Equipment & Piping	1. Decontaminate and Dispose of Off-site as Non-Hazardous
	2. Dismantle and Dispose of Off-site as Hazardous
	3. NFA
AOC 4: Groundwater	1. Monitored Natural Attenuation
	2. NFA
AOC 5: Intermittent Stream	1. Excavation and removal of sediment contaminated with pesticides
	2. NFA

Remedial alternatives considered for AOC 1 - Contaminated Soils:

All removal options require the clearing of land where underbrush, trees, or anything else stands in the way of the contaminated soil. The footprint for many of the removal options fall within the area of the former wood treatment area and therefore would require its removal. The degree of clearing is dependent on the area proposed for removal. **Figures 5** and **6** show the obstacles in the way of PCB contaminated soil. All remedial activities including excavation, verification sampling, storage and disposal will follow the TSCA regulations set forth in 40 CFR Part 261.

Option 1 provides the greatest measure of clean-up. Approximately 2.2 acres of PCB contaminated soil > 1 ppm (see **Figure 5**) would be removed and replaced with clean fill. This option allows the property owner unrestricted use of the remediated area.

Although the most expensive option at approximately $1.3 million, this option eliminates long term liabilities such as cap maintenance and a deed restriction.

Options 2 & 3 follow the guidelines for removal found in 40 CFR Part 261.61(a) and would classify the remediated area as a "High Occupancy Area" which allows for unrestricted occupancy. PCB soil > 10 ppm (see **Figure 6**) would be removed and replaced with clean fill. The remaining PCB soil > 1 ppm would be covered with a protective cap. Deed restriction requirements would include land use limitations on the PCB soil remaining > 1ppm outside of the cap boundaries and the owner's obligation to maintain the cap. Option 2, using a concrete cap, will cost approximately $925,000. Option 3, using a clay cap, will cost approximately $507,000.

Option 4 follows the guidelines for removal found in 40 CFR Part 261.61(c) titled *Risk-based disposal approval*. This option entails the same level of removal as options 2 and 3 where PCB soil > 10ppm will be removed replaced with clean fill. The area proposed for removal is highlighted in **Figure 8**. The remaining PCB soil left in place will be within EPA's acceptable cancer risk range of 1E-06 to 1E-04. Therefore, the level of cleanup provided will be sufficient to allow the property owner unrestricted use of the area and will not require a protective cap or deed restriction. The cost for option 4 is estimated to be $400,000.

Option 5 would classify the remediated area as a "Low Occupancy Area" which restricts occupancy to no longer than 335 hours per year (an average of 6.7 hours or less per week). PCB soil > 50 ppm (see **Figure 6**) would be removed and replaced with clean fill. The remaining PCB soil > 25 ppm would be secured with a fence and warning signs. As shown in **Figure 6**, the 2 areas showing contamination > 25 ppm would be fenced in. Deed restriction requirements would include land use and occupancy limitations within the fenced areas. Option 5 cost approximately $107,000.

Options 6 & 7 would classify the remediated area as a "Low Occupancy Area". PCB soil > 100 ppm (see **Figure 6**) would be removed and replaced with clean fill. The remaining PCB soil > 25 ppm would be covered with a protective cap. Deed restriction requirements would include land use limitations on the PCB soil remaining > 1ppm outside of the cap boundaries and the owner's obligation to maintain the cap. Option 6, using a concrete cap, will cost approximately $538,000. Option 7, using a clay cap, will cost approximately $320,000.

Option 8 would classify the remediated area as a "Low Occupancy Area". PCB soil > 25 ppm would be removed and replaced with clean fill. No protective cap would be required, only a deed restriction. Deed restriction requirements would include land use limitations on the PCB soil remaining >1ppm. Option 8 cost approximately $180,000.

Option 9 provides no further action (NFA) to address PCB contaminated soil and thus provides no measure of protection.

Remedial alternatives considered for AOC 2 - Contaminated Concrete:

Option 1 is to raze the shop building and dispose of it as non-hazardous waste, and then remove the concrete slab and 12 inches of soils from below the concrete slab. The concrete and soils would be disposed of offsite as PCB contaminated waste.

Option 2 includes removal of the areas of concrete with PCB contamination > 10 ppm and capping the entire interior of the slab with an additional 6 inches of concrete. This option would result in the future use of the shop building as a high occupancy structure with access to capped area not being limited.

Option 3 is to saw-cut and remove all concrete with PCB contamination > 25 ppm and replace only the removed concrete. No capping of the other areas of the slab would be needed with this option; however, PCB contamination with less than 25 ppm would remain in the concrete and would result in restriction of the future use of the shop building as a low occupancy structure, with occupancy inside the shop building limited to less than 335 hours annually, or 6.7 hours or less per week. In order to prevent the replaced concrete from serving as a protective cap, the soil underneath the excavated concrete should be at or below 1 ppm PCBs. Offsite disposal of concrete as hazardous waste is proposed for the second and third remedial options presented.

Option 4 is no further action. This is the most cost effective remedy. However, selecting this option would be in violation of the cleanup provisions of 40 CFR §761.61(a).

Remedial alternatives considered for AOC 3 - Contaminated Equipment and Piping:

AOC 3 shown in **Figure 3** consists of piping that exists at the site between the shop building and the aboveground storage tanks, an aboveground storage tank located inside the shop building, countertops and work surfaces also located in the shop building, and the aboveground storage tanks located west of the shop building. The remedial alternatives for AOC 3 include:

Option 1 involves removing and containerizing all liquid wastes for offsite disposal, then dismantling tanks and piping systems for decontamination and disposal as non-hazardous waste. The estimated cost is $33,000 primarily due to decontamination requirements.

Option 2 involves removing and containerizing all liquid wastes for offsite disposal, then dismantling tanks and piping systems for off-site disposal as hazardous waste. The estimated cost is $15,000.

Option 3 involves leaving liquid waste in the tanks and piping systems and leave the equipment in place with no further action. This is not a viable alternative since it leaves waste in place.

Remedial alternatives considered for AOC 4 - Groundwater:

Option 1 is monitored natural attenuation. This option would provide an assessment of the performance of the remedial actions at the former USI property. The proposed monitoring plan includes installation of a network of five (5) monitoring wells at the site. Monitoring will be performed annually for 5 years to determine contaminant trends in the groundwater. The groundwater will be analyzed for the groundwater COPCs identified in Section 3.0.

Option 2 is No Further Action. This is the most cost effective option. However, this option would not provide any data to determine if groundwater COPCs are decreasing or to provide data that would indicate that the soil remedy is effective.

Remedial alternatives considered for AOC 5 - Intermittent Stream:

Sediment samples taken from an unnamed tributary in the vicinity of the cistern well and old wood treatment area have been impacted by pesticides.

Option 1 to address pesticides would be to excavate and remove the contaminated sediments, thus removing streamside vegetation. This could negatively affect the downstream environment due to the erosion that would be caused by excavation activities.

Option 2 is NFA in which the pesticides would remain in place. Option 2 may be less harmful than removal.

6.0 PROPOSED/ RECOMMENDED REMEDIES

ADEQ has selected the following remedial alternatives from the list of remedial alternatives presented in the previous section.

Table 2: Remedial Alternatives Selected for each AOC

AOC	ADEQ's Remedial Alternative Selection
AOC 1: Contaminated Soils	Option 4: risk-based removal (removal >10 ppm)
AOC 2: Building and Concrete Slab	Option 3: Low Occupancy Removal (Remove concrete above 25 ppm repair slab)
AOC 3: Contaminated Equipment & Piping	Option 2: Dismantle and Dispose Off-site as Hazardous Waste
AOC 4: Groundwater	Option 1: Monitored Natural Attenuation (Installing Monitoring Well Network (5 Wells) & monitoring for 5 years)
AOC 5: Intermittent Stream	Option 2: NFA

7.0 EVALUATION & SELECTION OF PROPOSED REMEDY AND ALTERNATIVES

Table 3 below provides a comparison of the selected remedies (which are highlighted) to the other remedial alternatives. Criteria used to evaluate remedial alternatives include: protection of human health and the environment (short term and long term), implementation, community input, & cost. The total cost to implement the selected remedial alternatives as listed in Table 2 above is estimated at $1,405,000.

Table 3: Evaluation of Remedial Alternatives for each AOC

Remedial Alternative	Selection Criteria				
	Protection of Human Health and the Environment (HH&E)	Effectiveness		Implementability	Cost
		Short-term	Long-term		
AOC 1: Contaminated Soils					
1. High Occupancy Rem (Removal above 1ppm)	yes - eliminates threat to HH&E	yes	yes	will require extensive excavation	$1,315,000
2. High Occupancy Rem (Removal above 10 ppm and Cap with Concrete)	yes - meets TSCA requirements	yes	yes	reduces soil excavaction by ~40% (*)	$925,000
3. High Occupancy Rem (Removal above 10 ppm and Cap with Clay)	yes - meets TSCA requirements	yes	yes	reduces soil excavaction by ~40% (*)	$507,000
4. Risk Based Removal above 10 ppm	yes - meets risk-based requirements	yes	yes	reduces soil excavaction by ~40%	$400,000
5. Low Occupancy Rem (Removal above 50 ppm and fence)	maybe - fencing in the contaminated area may lead to secondary use as a livestock pen, which would be prohibited	maybe	maybe	reduces soil excavaction by ~95% (*)	$107,000
6. Low Occupancy Rem (Removal above 100 ppm and Cap with Concrete)	yes - meets TSCA requirements	yes	yes	reduces soil excavaction by ~85% (*)	$538,000
7. Low Occupancy Rem (Removal above 100 ppm and Cap with Clay)	yes - meets TSCA requirements	yes	yes	reduces soil excavaction by ~85% (*)	$320,000
8. Low Occupancy Rem (Removal above 25 ppm)	yes - meets TSCA requirements	yes	yes	reduces soil excavaction by ~65% (*)	$185,000
9. No Further Action	no - disregards impact to HH&E	no	no	easy to implement	$0
AOC 2: Contaminated Concrete					
1. Clean Closure (removal of the shop building and concrete slab)	yes - exceeds TSCA requirements	yes	yes	building removal is unnecessary as it is a useful structure and is not a threat to the owner given current usage	$84,000
2. High Occupancy Removal (Remove concrete above 10 ppm and cap slab)	yes - meets TSCA requirements	yes	yes	enlarged area (*)	$95,000
3. Low Occupancy Removal (Remove concrete above 25 ppm repair slab)	yes - meets TSCA requirements	yes	yes	reduced area	$18,000
4. No Further Action	no - would not protect from further impact to HH&E	no	no	easy to implement	$0
AOC 3: Contaminated Equipment					
1. Decontaminate and Dispose of Offsite as Non-Haz	yes	yes	yes	decontamination cost do not offset haz-waste disposal cost	$33,000
2. Dismantle and Dispose of Off-site as Haz	yes	yes	yes	quick and easy	$15,000
3. No Further Action	no	no	no	easy to implement	$0
AOC 4: Groundwater					
1. Monitored Natural Attenuation (installing a groundwater monitoring well network of 5 wells & monitor for 5 years)	yes - allows for evaluation of natural attenuation	yes	yes	installation would include protective bollards to prohibit potential impact to monitoring wells	$57,000
2. No Further Action	no	no	no	easy to implement	$0
AOC 5: Intermittent Stream					
1. Excavation and removal of sediment contaminated with pesticides	possibly but unlikely - disturbing sediment during excavation could lead to futher downstream contamination	no	yes	difficult given site conditions	$5,000
2. No Further Action	eventually - natural attenuation ultimately allow for remediation	no	yes	easy to implement	$0

(*) This remedial alternative requires the property owner to file a deed restriction with the local county court to identify the capped area and to sign a legally binding document that will require the property owner to perform continued maintenance for upkeep of the remedy.

-- highlighted rows represent remedial alternatives that have been selected by ADEQ

8.0 REMEDIAL ACTION LEVELS

Remedial Action Levels are clean-up levels established from the remedial design process. The clean-up levels for AOCs 1 and 2 are based on TSCA regulations. PCB contaminated soil (AOC 1) will be removed that is > 10 part per million. Areas of contaminated concrete under and around the shop building (AOC 2) that are > 25 ppm will be removed. The soil underneath the excavated concrete should be at or below 1 ppm (≤ 1 ppm) PCBs in order to prevent the replaced concrete from serving as a protective cap. AOCs 3 and 5 do not require a clean-up level based on the remedy chosen.

The clean-up levels for COPCs in groundwater (AOC 4) are based on Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) guidance and ADEQ practice. In accordance with CERCLA, if groundwater is a current or potential source of drinking water and is found to be contaminated above protective levels (i.e. above MCLs or non-zero MCLGs), a remedial action under CERCLA should seek to restore that aquifer to beneficial use (e.g., drinking water standards) wherever practicable. It is ADEQ practice to view all groundwater in Arkansas as potential drinking water. Therefore, the clean-up levels were set at the MCL. For COPCs that don't have an MCL, a clean-up level was calculated based on the site-specific risk assessment.

Table 4: Clean-up levels for Groundwater COPCs

COPCs in Groundwater	Maximum Contaminant Level (MCL) (µg/L)	Risk-Based Level (µg/L)	Clean up Level (µg/L)
Acrolein	NA	0.042	*0.042
Benzene	5	0.41	5
1,1-Dichloroethane	NA	2.4	**2.4
cis-1,2-Dichloroethene (c-1,2-DCE)	70	73	70
Tetrachloroethene (PCE)	5	0.11	5
1,2,4-trichlorobenzene	70	2.3	70
Trichloroethene (TCE)	5	2	5
Pentachlorophenol (PCP)	1	0.17	1
Aroclor-1016	0.5	0.96	0.5
Aroclor-1248	0.5	0.034	0.5
Aroclor-1254	0.5	0.034	0.5

MCLs are found in U.S. EPA Regional Screening Table, June 2011
MCLs for Aroclor compounds found in the U.S. EPA Drinking Water Standards & Health Advisories Table, Jan 2011
NA – MCL is not available
*Clean up level based on non-carcinogenic effects at a Hazard Quotient of 1
**Clean up level based on carcinogenic effects at a cancer risk of 1E-06

9.0 JUSTIFICATION FOR SELECTION

Further justification for ADEQ's remedial alternative selections is discussed below.

AOC 1 – Contaminated Soils: Option 4 effectively renders the site clean and eliminates any long term liability. It also provides sufficient removal to allow the property owner unrestricted use as he/she sees fit. Option 4 is protective of human health and will be carried out in accordance with the requirements of the TSCA regulations. ADEQ will coordinate with the land owner to implement this remedy.

AOC 2 – Contaminated Concrete: Option 3 restricts the future use of the shop building as a low occupancy structure, with occupancy inside the shop building limited to less than 335 hours annually, or 6.7 hours per week. This is compatible with its current use as primarily a storage area. There are no future plans by the land owner to run electricity or water to the building.

AOC 3 – Contaminated Equipment and Piping: Option 2 is dismantlement and disposal as hazardous waste. Option 2 was selected because it provides the same level of protectiveness as option 1, but is less than half the cost. Option 1 is decontamination and disposal as non-hazardous waste, and is more costly due to the added cost of onsite decontamination of the materials.

AOC 4 – Groundwater: Option 1 will address groundwater contamination via natural attenuation. In addition, the soil remedy chosen (AOC 1) should help decrease contaminant infiltration into the groundwater. Groundwater monitoring wells will be installed at locations across the site to determine if contamination is migrating. Annual groundwater monitoring will help verify if remediation is taking place. If no decline in COPC levels is noted after the groundwater monitoring period, then a more aggressive remedial alternative may be warranted.

AOC 5 – Intermittent Stream: Option 2 is natural attenuation. Option 2 was selected because of the potential threat stream bank removal poses to the downstream environment. Natural attenuation will not disturb the environment and will allow natural processes to remediate the area. Also, the remedies outlined for soil (AOC 1) will aid in preventing any potential COPC migration to the stream.

10.0 EFFECTIVENESS MONITORING PROGRAM

Deed Restrictions for Shop Building and Groundwater:

ADEQ will negotiate with the land owner to place a deed restriction on the property as a precaution against potential exposure to the PCB contaminated foundation of the shop building. The deed restriction will limit occupancy inside the shop building in accordance with TSCA regulations as a "low occupancy area". Therefore, occupancy inside the shop building will be limited to less than 335 hours annually, or 6.7 hours per week. The deed restriction requirements include a notation in perpetuity so that potential purchasers receive a disclosure about the PCB levels in the concrete slab and the use restrictions that apply to all future owners.

Since groundwater contamination occurs on two properties, ADEQ will negotiate with both property owners (Pam Coleman and Doloris Gaddy) to place a deed restriction on the property as a precaution against exposure to contaminated groundwater. The deed restriction will prohibit the use of groundwater within the former USI facility boundaries as shown in **Figure 2** (i.e. this will not encompass all of Doloris Gaddy's property) for the purpose of human or pastoral consumption, including domestic, commercial, industrial, and agricultural uses, until the property is released by the ADEQ. Monitoring wells for the purpose of evaluating potential impacts to groundwater will be permitted under this deed restriction.

Groundwater Monitoring Program:

Monitoring the effectiveness of natural attenuation will require decommissioning of the piezometer network and the installation of a groundwater monitoring well network consisting of five (5) wells to provide consistent data over the monitoring period. Monitoring well locations will be mutually agreed upon by ADEQ and the property owners (Pam Coleman and Doloris Gaddy) prior to installation. The groundwater will be analyzed for the COPCs identified in Table 4. Water quality parameters including oxidation/reduction potential, pH, dissolved oxygen, turbidity, temperature, & conductivity will also be monitored. Monitoring will occur semi-annually the first year to determine seasonality, and annually thereafter. The total monitoring period will be scheduled for five (5) years to determine trends in the groundwater COPCs. Upon completion of the five (5) year sampling period, groundwater will be evaluated in a *Five Year Review Report*. The report will determine if further monitoring is required, or if COPC levels have sufficiently reduced to allow the deed restriction to be removed. Monitoring wells will be decommissioned by ADEQ when sampling is no longer required. A site specific Groundwater Monitoring Plan (GWMP) will be submitted by the property owners within ninety (90) days of the effective date of this RADD. At a minimum, it should include all components listed above. Upon approval from ADEQ, the GWMP will be implemented.

Soil Vapor Intrusion Assessment:

The perched groundwater in the vicinity of the on-site residence has been impacted by industrial solvents, which have the potential to dissipate through the soil and concrete foundation and accumulate inside the residence. To assess any potential impact, a soil vapor intrusion assessment will be conducted for the on-site residence. The assessment will evaluate the vapor intrusion pathway for completeness, conduct air monitoring at the site, and prepare a report outlining the findings of the assessment. If it is shown that the residence has been impacted, a more aggressive strategy may be warranted. The total cost for the assessment is approximately $5,500.

11.0 COMMUNITY PARTICIPATION

Documents that aided in the development of this RADD are included in the administrative record. The administrative record for USI may be reviewed at the following locations:

Arkansas Dept. of Environmental Quality
Records Management Section
5301 Northshore Drive
North Little Rock, Arkansas 72118

Watson Memorial Library
University of Arkansas at Pine Bluff
1200 North University Drive
Pine Bluff, Arkansas 71601

There will be a thirty (30) day public comment period. Details for submitting comments and requesting a public hearing are found in the *Notice of Remedial Action Decision Document Fact Sheet* for USI.

12.0 COORDINATION WITH OTHER DIVISIONS/AGENCIES

It is important to involve/inform other divisions of ADEQ and other agencies as applicable, in the development of a RADD. In particular, the U.S. EPA Region 6 PCB coordinator has been consulted to assist ADEQ with PCB guidance. All PCB related remedies will be co-reviewed and approved by the U.S. EPA Region 6 PCB coordinator prior to implementation.

TABLE 5: INTERNAL COORDINATION

ADEQ Divisions	Consulted/Informed	Sent Notice of Decision
Water	No	Yes
NPDES	No	No
Air	No	No
Solid Waste	No	Yes
Regulated Storage Tanks	No	Yes
Environmental Preservation And Technical Services	No	Yes
Mining	No	No

TABLE 6: EXTERNAL COORDINATION

Other State and Federal Organizations	Consulted/Informed	Sent Notice of Decision
U.S. EPA, Region 6	Yes	Yes
AR Office of Emergency Services	No	No
AR Dept. of Health	Yes	Yes
AR State Clearinghouse	No	No
AR State Historic Preservation	No	No
AR Natural Heritage Commission	No	No
AR Game & Fish Commission	No	No
U.S. Army Corps of Engineers	No	No

13.0 REFERENCES

The following is a list of technical publications which aided in the development of this RADD and are available for review as part of the administrative record:

- U.S. EPA, Code of Federal Regulations, Title 40, Part 761: Polychlorinated Biphenyls, revised July 1, 2007
- FTN, Comprehensive Site Assessment Report, January 1, 2009, revised March 11, 2009
- EPA, Memorandum Summarizing Key Existing EPA CERCLA Policies for Groundwater Restoration, June 26, 2009
- FTN, Remedial Alternatives Memo, June 9, 2010, revised August 2, 2010
- U.S. EPA, 2011 Edition of the Drinking Water Standards and Health Advisories, updated January 2011
- U.S. EPA Regional Screening Summary Table, June 2011
- FTN, Grid Sampling Results Figure, July 28, 2011

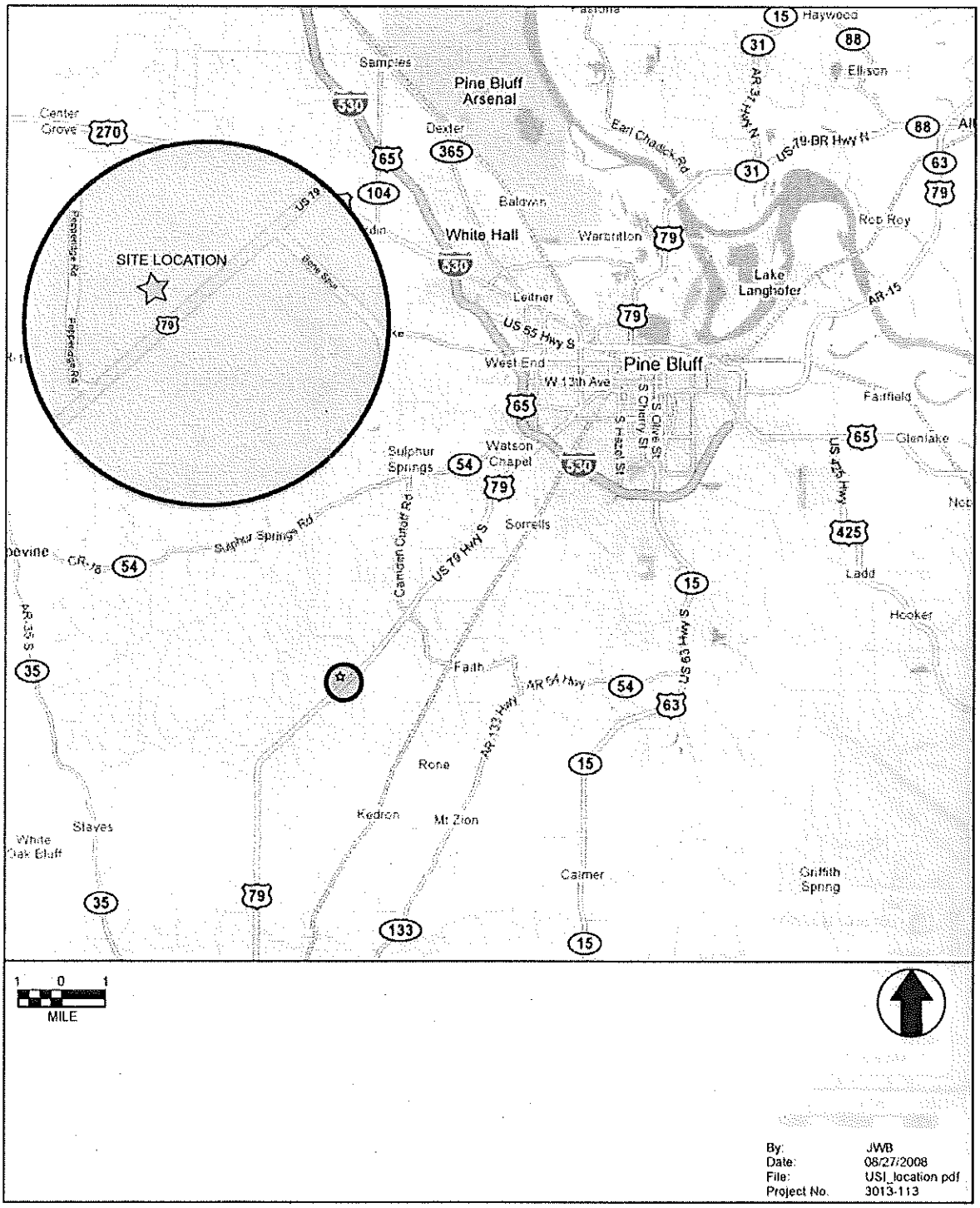


Figure 1: Site Location Map

Figure 4.1 of FTN CSA Report

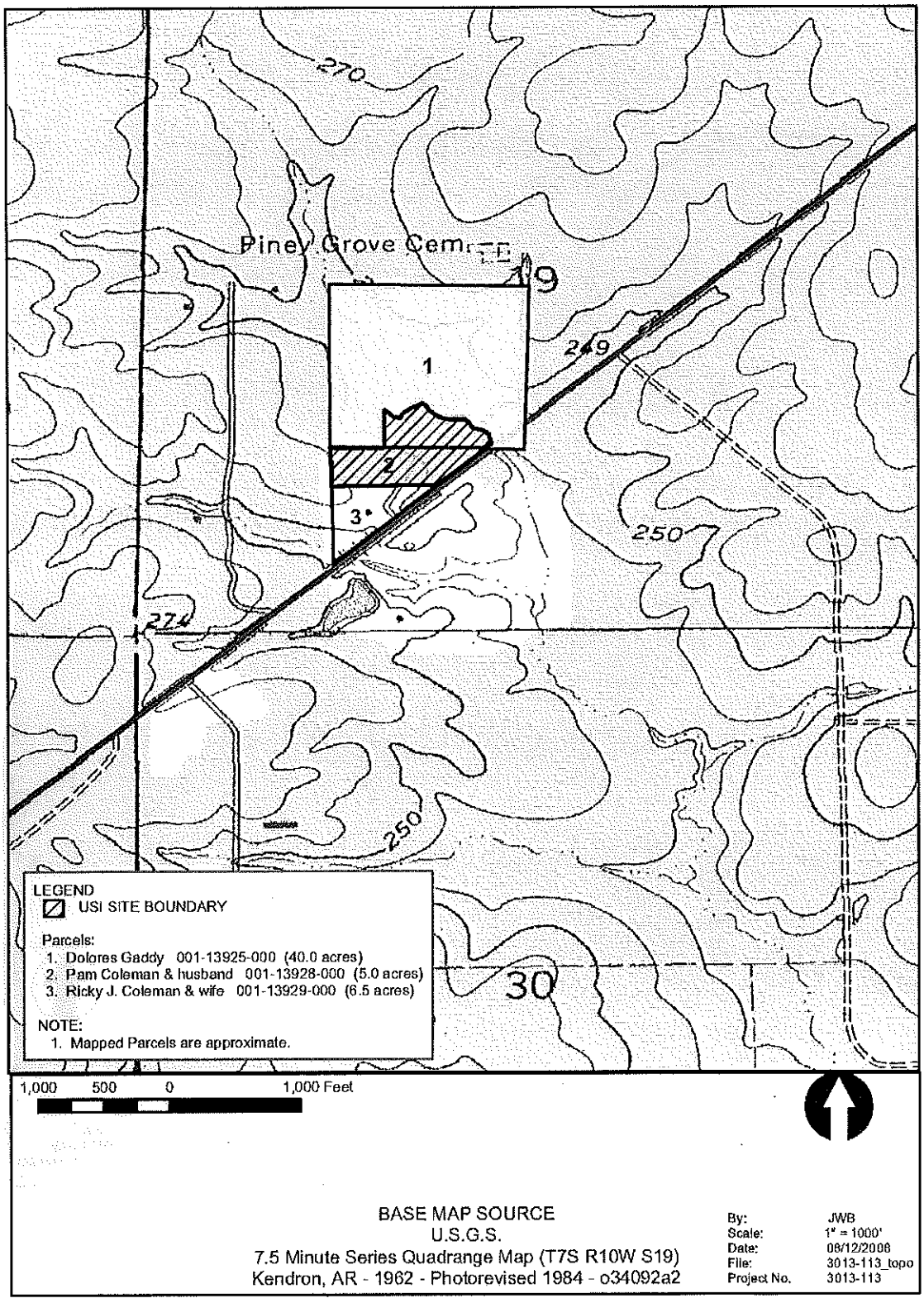


Figure 2: Property Ownership Boundaries

Figure 4.2 of FTN CSA Report

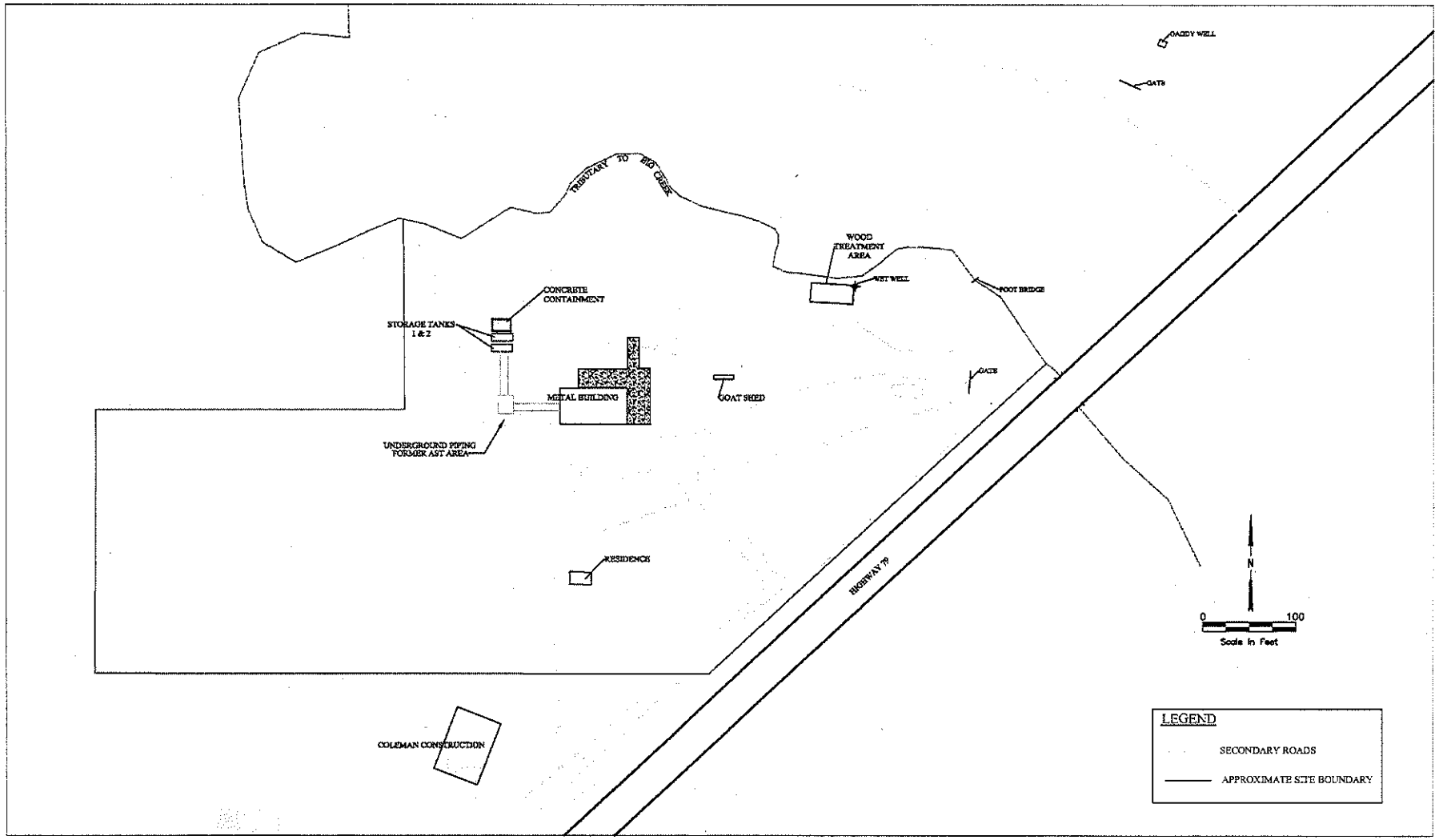
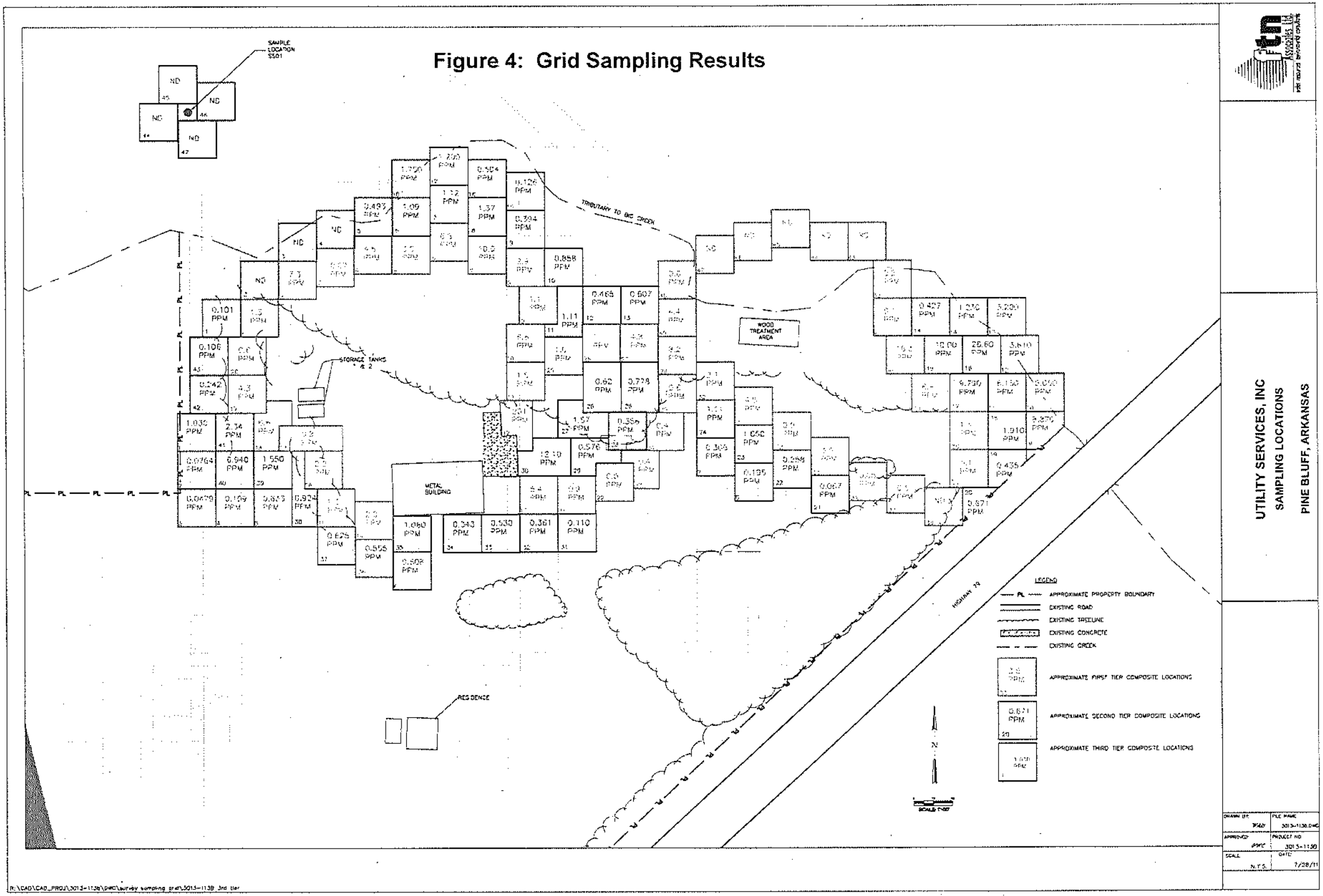


Figure 3: Site Landmarks

Figure 4.3 of FTN CSA Report

Figure 4: Grid Sampling Results



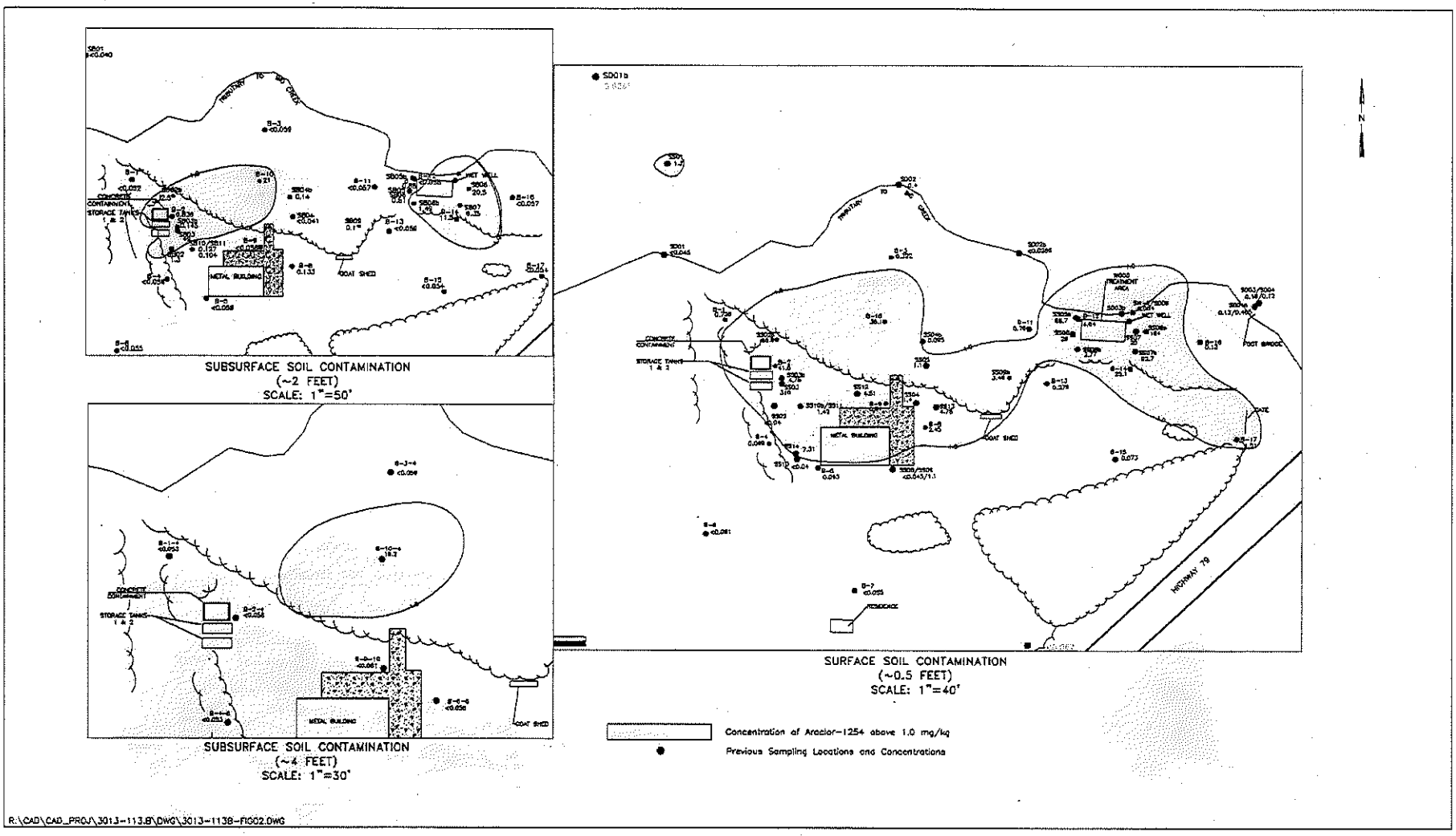


Figure 5: Approximate Aroclor-1254 plume, > 1ppm

Figure 3.2 of FTN Remedial Alternatives Memo

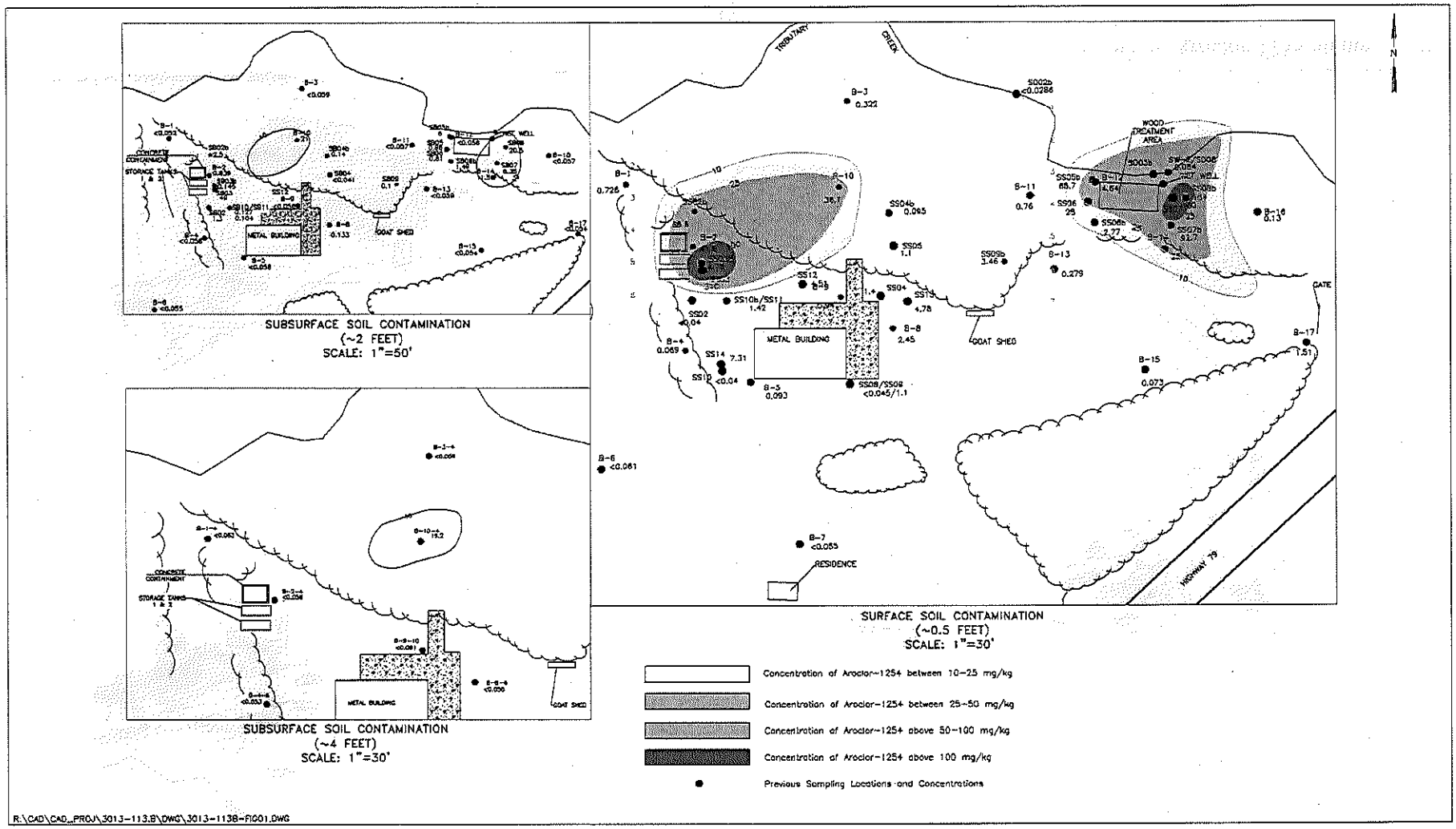


Figure 6: Approximate Aroclor-1254 plume, > 10 ppm

Figure 3.2 of FTN Remedial Alternatives Memo

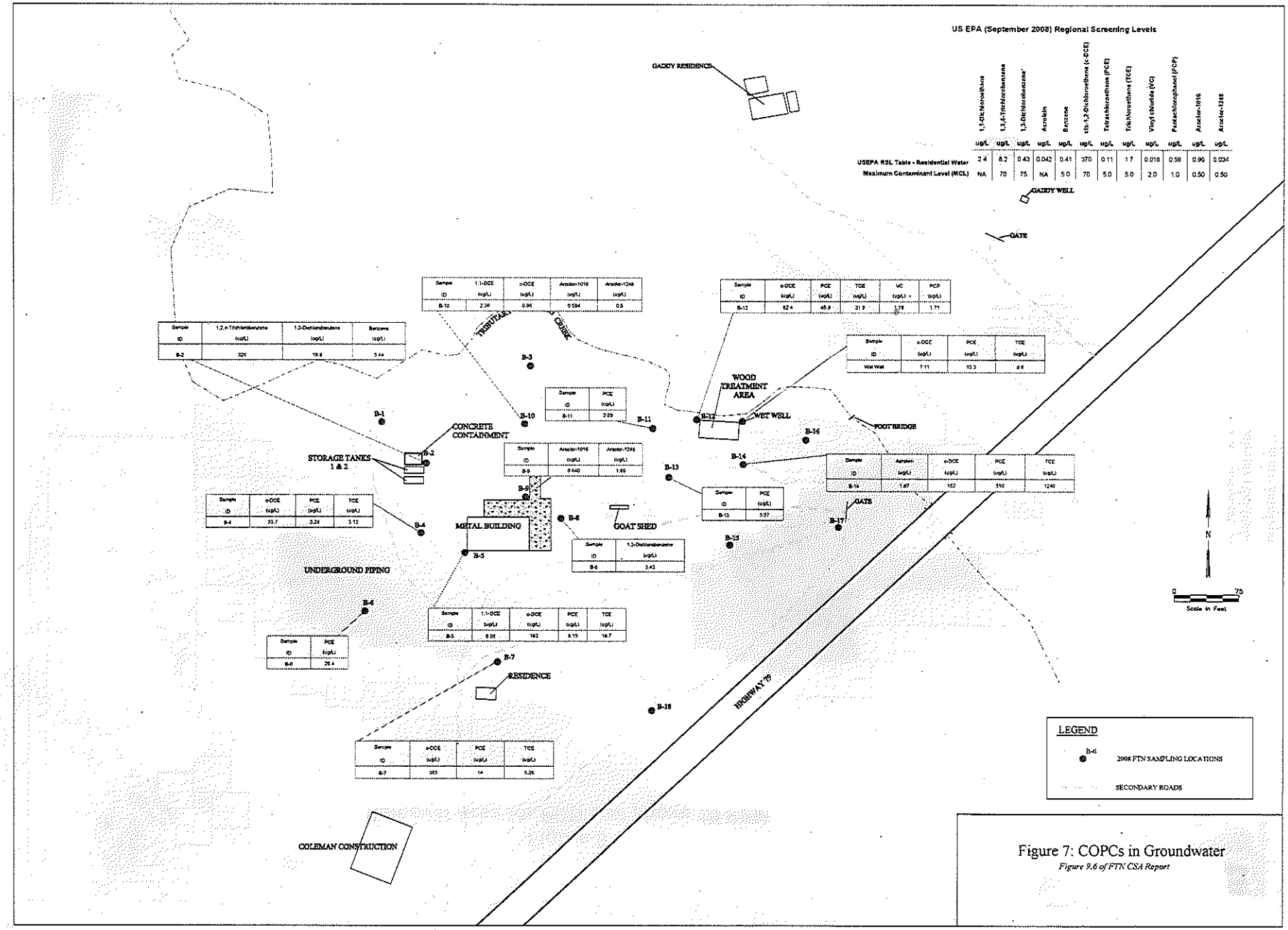
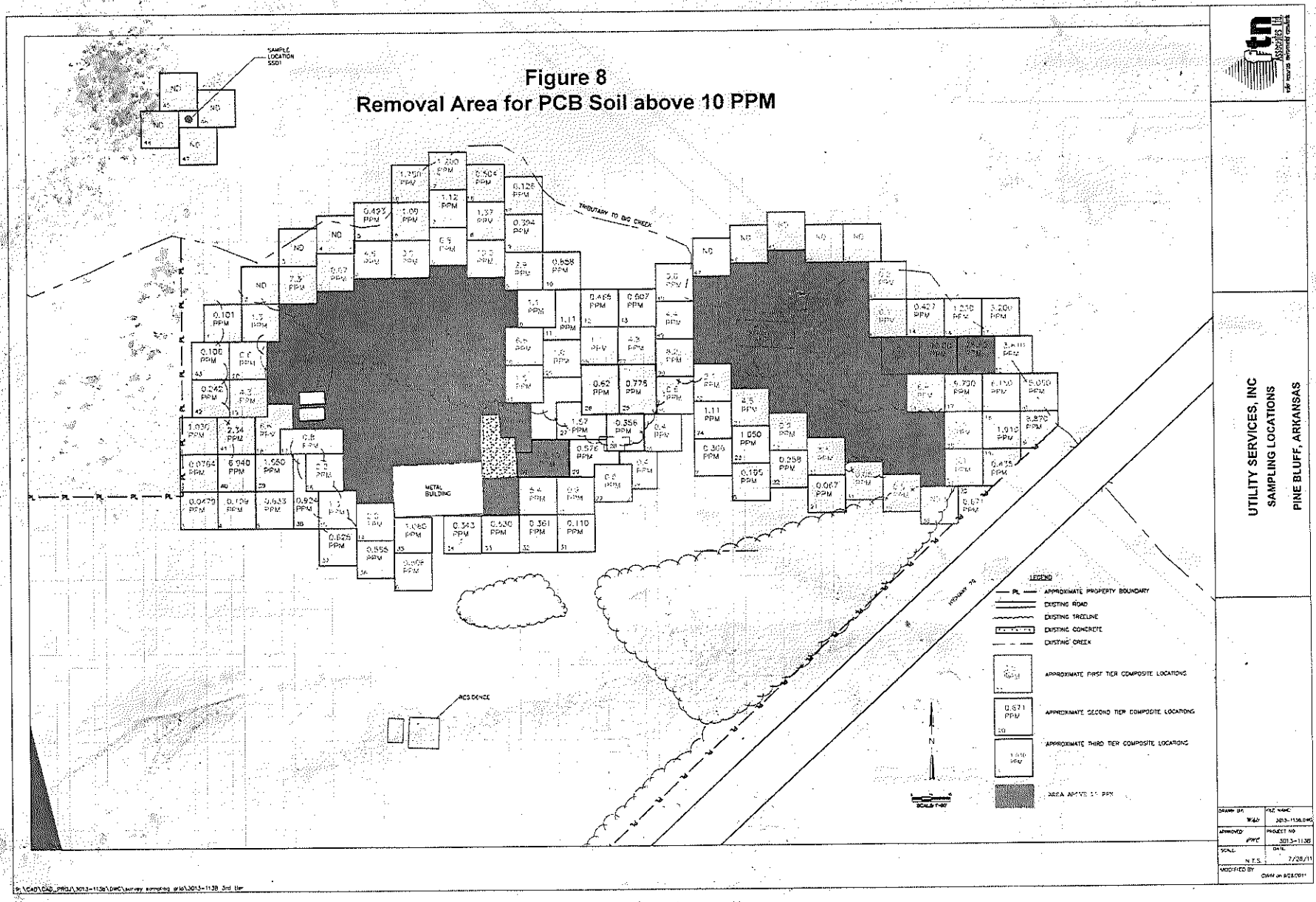


Figure 7: COPCs in Groundwater

Figure 9.6 of FTN CSA Report

Figure 8
Removal Area for PCB Soil above 10 PPM



Notice of Public Comment Period

Facility:	Utility Services, Inc. Property
Facility Location:	Pine Bluff, Jefferson County, Arkansas
EPA I. D. Number:	ARR000004556
AFIN:	35-00419

The Arkansas Department of Environmental Quality – Hazardous Waste Division (ADEQ) proposes to remove historical polychlorinated biphenyl (PCB) contaminated media consisting of soil, concrete and equipment at the property formerly operated by Utility Services Inc. (USI). The USI property is located on Highway 79, approximately 9 miles southwest of Pine Bluff, Jefferson County. While in operation during the 1970s and 1980s, USI was contracted by transformer sites from the central United States to filter oils containing PCBs. The filter media utilized by USI consisted of fuller's earth, which is a diatomaceous clay, and filter paper. The fuller's earth was reportedly landfilled, although it is suspected a portion of the fuller's earth may have been disposed of on-site. PCB contamination was found on approximately 2 acres of land onsite and was also detected in concrete and equipment. Details of the proposed removal action are contained in the Remedial Action Decision Document (RADD). The RADD and other supporting documents are available for review at the following locations:

Arkansas Dept. of Environmental Quality
Records Management Section
5301 Northshore Drive
North Little Rock, Arkansas, 72118

Watson Chapel Public Library
4120 Camden Road
Pine Bluff, AR 71603

Persons wishing to comment on the proposed remedies outlined in the RADD may do so by mailing or faxing written comments to:

J. Ryan Benefield, P.E.
Acting Chief, Hazardous Waste Division
Arkansas Department of Environmental Quality
5301 Northshore Drive,
North Little Rock, AR 72118
Fax: 501-682-0880
Web site: http://www.adeq.state.ar.us

Please include your name and address when sending comments. The comment period is 45 days from this posting date. **All comments must be received by August 13, 2012.** Only comments regarding the RADD will be considered.

ADEQ may hold a public hearing to clarify one or more issues concerning the RADD if a public hearing is formally requested. A request for a public hearing shall include the nature for such request and be limited to the scope of this RADD. If granted, notice of the public hearing will be made at least 30 days prior to the scheduled hearing.

Submitting written comments to ADEQ or making oral statements on the record at any formal public hearing on the RADD provides individuals with legal standing to appeal a final Department decision. Only parties with legal standing may appeal a decision.

Dated this 28th day of June, 2012,

Teresa Marks, Director,
Arkansas Department of Environmental Quality

MEMORANDIUM

SUBJECT: Remedial Action Decision Document for Utility Services, Inc.

FROM: Dipanjana Bhattacharya, USEPA Risk Assessor

TO: John Meyer, USEPA Risk/Site Assessment Section Chief

DATE: June 6, 2012

My comments are below:

Overall the approach followed in this Remedial Action Decision Document by Arkansas Department of Environmental Quality mirrors the approach used by EPA for Records of Decisions with some differences.

1) Page 3: It was unclear in the document when the sampling events took place for groundwater and soil. It is mentioned in the Comprehensive Site Assessment that the latest sampling events took place in 2008. In the Remedial Action Decision Document mentions that the soil sampling is from 2011. Is the other data all from 2008? Please clarify.

2) Page 4 and throughout document: Please give numerical/objective comparisons for hazard and risk. For example an HI of 2.0 is twice the protective non-cancer hazard index not "could represent a slight human health hazard".

3) Page 4 and throughout: Please change "EPA's acceptable risk range" to "EPA's protective risk range". Then change wording to say "it is above EPA's protective risk range" or "within protective risk range" or "below protective risk range" when discussing cancer risk.

4) Page 16: The document mentions 1 Five Year Review. This should be on-going since new toxicological information surfaces with time leading to a change in protective concentrations.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

NOV 15 2012

CERTIFIED MAIL- RETURN RECEIPT REQUESTED

Mr. J. Ryan Benefield, P.E.
Acting Chief, Hazardous Waste Division
Arkansas Department of Environmental Quality
5301 Northshore Drive
North Little Rock, AR 72118

RE: United States Environmental Protection Agency (EPA), Region 6 Risk-based Polychlorinated Biphenyl (PCB) Disposal Approval (40 CFR§ 761.61(c)) to the Arkansas Department of Environmental Quality (ADEQ) for the Remedial Action Decision Document (RADD) Concerning I-Can Incorporated, Lonoke County, Arkansas.

Dear Mr. Benefield:

We are in receipt of the ADEQ RADD dated May 2012, in which the ADEQ selected a risk-based remedy for PCB contamination at the former I-Can Incorporated site located in Lonoke County, Arkansas. The RADD was Public Noticed by the ADEQ with a 45 day comment period that closed on October 7, 2012. No comments were received during the comment period. EPA Region 6 hereby approves the RADD pursuant to the PCB risk-based disposal regulations (see 40 CFR § 761.61(c)).

The I-Can site consists of 0.87 acres and is located at 420 East Academy Street, Lonoke, Lonoke County, Arkansas. The site was added to the State Priority List in 2005. A comprehensive site investigation was first conducted in March 2007 where PCB Aroclor-1254 was identified in surface soil samples, but not in sub-surface soil samples. Soil samples were also analyzed for herbicides, pesticides, RCRA metals, volatile organic compounds, total petroleum hydrocarbons-gasoline range organics and diesel range organics. No groundwater wells exist on the site.

ADEQ performed a qualitative risk evaluation on the sample results which were compared to EPA Region 6 Residential Soil Screening Levels. PCBs were the only chemical retained as a chemical of concern (COC). The PCB risk level was determined to be 22.0 mg/kg based on a 1E-04 cancer risk.

Expanded site assessments for PCBs were conducted in May 2008, December 2011, and April 2012. Two samples detected PCBs over the 22.0 mg/kg risk level. These concentrations were 42.1 mg/kg and 70.5 mg/kg. These areas of PCB contamination shall be excavated to a minimum depth of one foot. The contaminated soil shall be placed in lined roll off containers and disposed at an approved TSCA PCB landfill. Confirmation samples shall be performed in accordance with 40 CFR 761, Subpart O to ensure the clean-up level of 22.0 mg/kg has been achieved. Excavated areas will be returned to the original grade and seeded.

If you have question or comments, please contact Mr. Jim Sales of my staff at (214) 665-6796.

Sincerely yours,

Carl E. Edlund, P.E.
Director
Multimedia Planning and
Permitting Division

FACT SHEET
PCB RISK-BASED REMEDIATION
I-CAN
LONOKE, ARKANSAS

ACTION

Issuance of a PCB approval pursuant to 40 CFR § 761.61(c) for a risk-based cleanup of PCB contaminated soils at the State Superfund I-Can site located at Lonoke, Arkansas.

BACKGROUND

1. EPA issues PCB approvals for State superfund sites directly to the State after EPA has reviewed the proposed Remedial Action Decision Document (RADD) and the State has completed any Public Notice requirements for the site.

2. The I-Can site consists of an abandoned 0.87 acres and is located at 420 East Academy Street, Lonoke, Arkansas. The site was added to the State Priority List in 2005. A comprehensive site investigation was first conducted in March 2007 where PCB Aroclor-1254 was identified in surface soil samples, but not in sub-surface soil samples. Soil samples were also analyzed for herbicides, pesticides, RCRA metals, volatile organic compounds, total petroleum hydrocarbons-gasoline range organics and diesel range organics. No groundwater wells exist on the site.

3. ADEQ performed a qualitative risk evaluation on the sample results which were compared to EPA Region 6 Residential Soil Screening Levels. PCBs were the only chemical retained as a chemical of concern (COC). The PCB risk level was determined to be 22.0 mg/kg based on a 1E-04 cancer risk.

4. Expanded site assessments for PCBs were conducted in May 2008, December 2011, and April 2012. Two samples detected PCBs over the 22.0 mg/kg risk level. These concentrations were 42.1 mg/kg and 70.5 mg/kg. These areas of PCB contamination will be excavated to a minimum depth of one foot. The contaminated soil will be placed in lined roll off containers and disposed at an approved TSCA PCB landfill. Confirmation samples will be performed in accordance with 40 CFR 761, Subpart O to ensure the clean-up level of 22.0 mg/kg has been achieved. Excavated areas will be returned to the original grade and seeded.

STATE ISSUES

The ADEQ has the lead on site cleanup. After EPA approval, ADEQ must get approval for the monies required to implement the RADD, and then get bid proposals from contractors for ADEQ selection.

PUBLIC NOTICE

The RADD was Public Noticed by the ADEQ with a 45 day comment period that closed on October 7, 2012. No comments were received during the comment period.

LOCAL COMMUNITY ISSUES

There are no known community issues regarding I-Can.

ENFORCEMENT ISSUES

There are no outstanding EPA TSCA enforcement actions regarding this facility.

RECOMMENDATION

I recommend that this approval be granted.

James Sales, Envr. Engr.

10-30-12
Date

ADEQ

ARKANSAS
Department of Environmental Quality

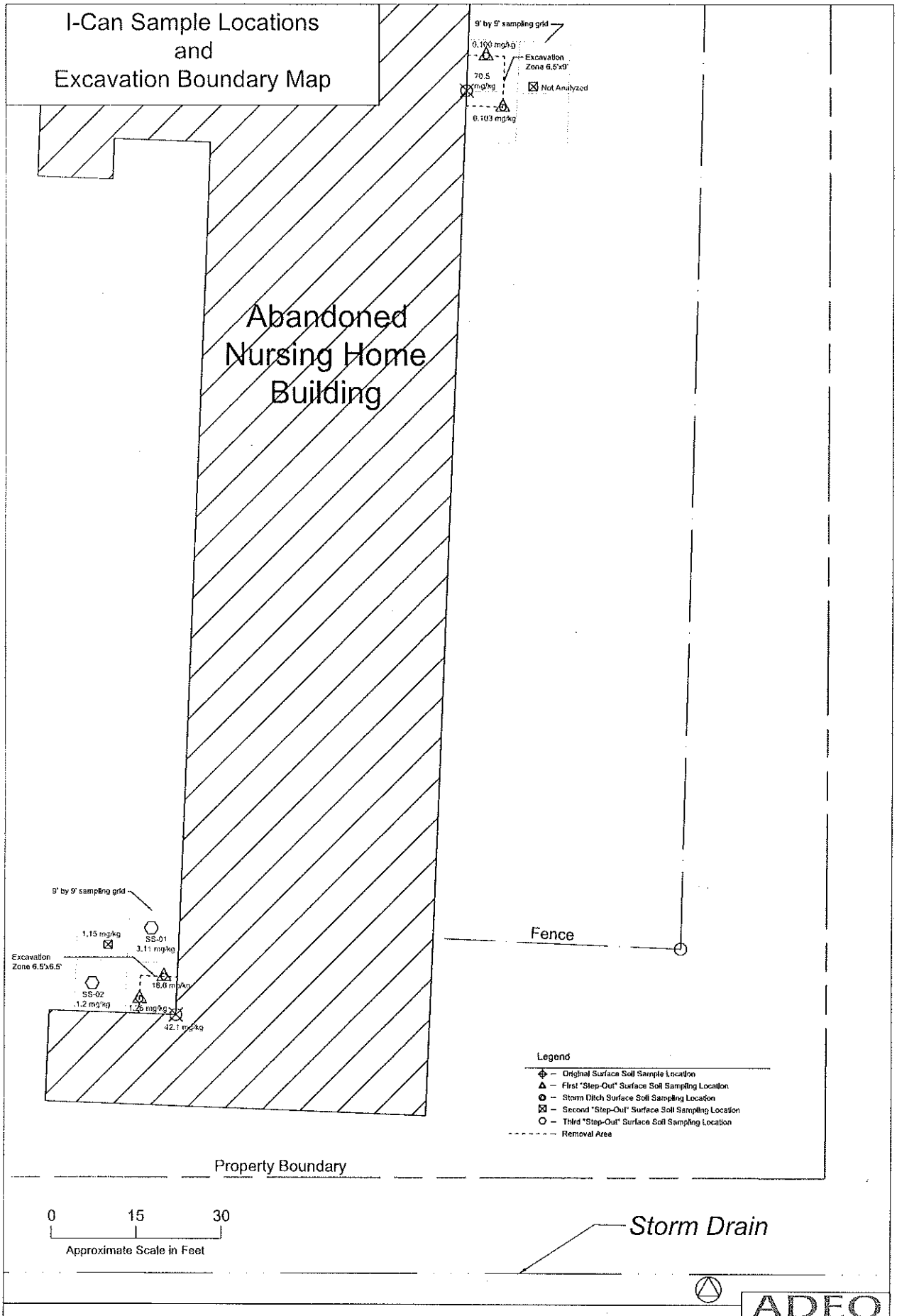
I-Can Incorporated Remediation Plan

The I-Can Incorporated site is located at 420 East Academy Street, Lonoke, Lonoke County, Arkansas. The site has two areas that are contaminated with polychlorinated biphenyls (PCB) above risk-based standards. Please see Figure 1. The areas with PCB contaminated soil must be excavated to a minimum depth of one foot. The contaminated soil must be placed in lined roll off containers. The contaminated soil must be disposed of in a TSCA approved landfill.

Confirmation samples must be taken from each area to ensure all soil above the clean-up level of 22 mg/kg PCB is reached. If soil analytical results determine the confirmation samples are above 22 mg/kg, additional excavation in the area that is above the clean-up level must be performed.

Excavated areas must be returned to the original grade and seeded.

I-Can Sample Locations and Excavation Boundary Map



The information shown on this map was compiled from various sources and should not be considered authoritative for engineering, surveying, legal, and/or other site-specific uses. Information shown on this map does not represent a boundary survey and is shown for reference only.

ADEQ
ARKANSAS
Department of Environmental Quality

April 20, 2012

Figure 1

STATE OF ARKANSAS
ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY

POLYCHLORINATED BIPHENYLS SAMPLING REPORT

I-Can, Incorporated
Lonoke, Lonoke County, Arkansas
May 2012

EXECUTIVE SUMMARY

The City of Lonoke entered the I-Can, Incorporated (I-Can) site (hereinafter referred to as the site) into the Arkansas Brownfields Program in 2005. The site was also added to the State Priority List in 2005 in order to assist the City of Lonoke in identifying the nature and extent of contamination at the site. The Arkansas Department of Environmental Quality (ADEQ) utilized funding to perform a Comprehensive Site Assessment (Ensafe, March 2007). Aroclor-1254 (hereinafter referred to as PCB) was identified above risk based human health levels in surface soils at two areas of the site. Sub-surface soil was not contaminated with PCBs from 6 inches to the extent of sampling (four feet). Groundwater was not sampled because the sub-surface soil was not contaminated. There are no surface water features on the site, and there was not sediment at the site. Soil was sampled in the drainage pathway. PCBs were not found in the drainage area.

In May 2008, an Expanded Comprehensive Site Assessment was performed by Ensafe to further characterize the PCB contamination. The City of Lonoke withdrew the site from the Arkansas Brownfields Program due to lack of funding to complete the project. ADEQ determined current information was needed to ensure an adequate removal action was performed. Therefore ADEQ personnel conducted two additional sampling events in December 2011 and April 2012 to determine if the contamination was currently delineated or if the contamination had spread in the surface soil.

A qualitative risk evaluation was performed for the site. Utilizing a clean-up level of 22 mg/kg for PCB's demonstrates acceptable potential risk to residents. ADEQ will complete remedial activities utilizing the Remedial Action Trust Fund.

Some of the following sections have been taken completely or in part from the *Comprehensive Site Assessment Report, I-Can, Incorporated, Lonoke, Arkansas, Ensafe March 7, 2007.*

SITE DESCRIPTION AND ENVIRONMENTAL SETTING

The site is located in the town of Lonoke, Arkansas (Appendix A, Figures 1 and 2). The property is roughly rectangular in shape; oriented from south to north along the long axis. The geographic coordinates are 34° 46' 52" north latitude and 91° 53' 45.2" west longitude. The legal description for the property, as provided by Red River Land Surveying, is as follows:

Being a tract of land partially located in Section 20, Township 02 North, Range 08 West and Section 19, Township 02 North, Range 08 West of the Fifth Principle Meridian, city of Lonoke, Lonoke County, Arkansas and being described by metes and bounds as follows:

Being all of Lot 6, the East ½ South ½ of Lot 2 and East ½ of Lots 3, 4, and 5, Block 17 of the Hicks & Reynolds and also beginning at the Northeast Corner of the South ½ of said Lot 2, Block 17, Hicks and Reynolds Survey, town of Lonoke: Thence West 35.77 feet to a

point; Thence South 225.00 feet to a point; Thence West 35.77 feet to a point; Thence North along the East line of said Block 17 a distance of 225.00 feet to the point of beginning. Together with easement for egress and ingress over and across East ½ Lot 1 and East ½ North ½ of Lot 2, Block 17, where present rocked road now exists.

An abandoned nursing home building currently sits on the 0.87 acre site. The 8,929-square-foot abandoned nursing home was reportedly constructed circa 1960. The building is a one-story structure constructed of concrete blocks with an asphalt roof built on a concrete slab. Interior rooms include office spaces, waiting rooms, a kitchen, and patient rooms. A laundry area is affixed as an "annex" to the nursing home building. The construction date of the laundry annex is unknown, but it is presumed to have been added subsequent to the construction of the original building. A layout of the property is illustrated in Appendix A, Figure 3. The land surface at the site is relatively flat across the northern portion of the property, then slopes slightly down to the south and east at about a 0.5% grade towards a storm ditch paralleling East Academy Street. Surface soils at the site are predominantly dark grayish silt loam, while shallow subsurface soils consist of a brown, light brownish-gray, or light gray mottled silt and silty clay loam.

The subject site is located in Zone "X" of the Federal Emergency Management Agency Flood Insurance Rate Map, Community Panel Number 05085 C 0220D, dated June 16, 2006, and is not in a special flood hazard area.

Residential dwellings are located north and west of the site. The Lonoke Public Middle School is located south of the site, across East Academy Street. Agricultural farmland and associated buildings are located east and northeast of the property. Although it is unknown exactly what activities are conducted at the farming operation, equipment and at least one large aboveground storage tank (AST) were observed in the area at the time of EnSafe's preliminary site visit. The capacity or current (and historical) contents of the AST are not known. A former natural gas metering station is also located east of the property. A privately owned landing strip, which was historically used for crop dusting operations, is located east of the former natural gas metering station (approximately 500 feet east of the eastern site boundary).

SITE INVESTIGATION SIGNIFICANT RESULTS

Site investigation and sampling results are used to assess the environmental condition of the various site media, along with information regarding hydrogeology, physical condition of the site structures, and waste materials present at the site. Groundwater, air, and sediment media were not identified as potential concerns and therefore were not sampled as a part of the investigative effort.

Surface Water and Sediment

The following sections contain general information regarding regional and local surface water bodies and drainage. Sediment was not identified at the site; therefore, it is not discussed.

Regional and Site-Specific Surface Watersheds

The regional surface water features across the Lonoke area, and on the site, are within the Arkansas River Basin — Bayou Meto and Tributaries Segment 3B (HUC#8020402) watershed as identified by the United States Geological Survey (USGS). Segment 3B is located in the east-central portion of Arkansas and includes a major portion of Lonoke County, as well as parts of Arkansas, Jefferson, Faulkner, Pulaski, and Prairie Counties. Bayou Meto and its tributaries comprise the major surface water resource in the segment. Major tributaries include Bayou Two Prairie, Mill Bayou, and Kings Bayou. According to ADEQ's 2004 Integrated Water Quality Monitoring and Assessment Report, the waters within this segment have been designated as suitable for the propagation of fish and wildlife; primary and secondary contact recreation; and public, industrial and agricultural water supplies.

Surface Water and Stream Identification

The evaluation of surface water pathways included visual inspection of the site for evidence of surface water flow paths to offsite areas. These include hills, gullies, sediment, and debris piles, or changes in vegetation patterns related to water flow. A storm water conveyance/roadside drainage ditch runs east-west along the south boundary of the property and East Academy Street. This conveyance likely receives a majority of the storm water runoff from the property. This drainage ditch presumably flows towards a tributary of White Oak Creek, located approximately 500 feet south of the site. At the time of the site visit, the ditch was dry. No aquatic vertebrates or invertebrates were observed in this area during the site visit. Approximately 50 feet north of this conveyance is another wet weather conveyance that runs east-west. This second conveyance runs between the residential land west of the site and the southwestern property boundary, and leads offsite. This conveyance is connected to another conveyance that runs north-south and is located approximately 50 feet from the western side of the building. A fourth wet weather conveyance that runs north-south is located near the northeast corner of the building. No water was observed in any of the conveyances during the site visit. A low depression exists at the northwestern corner of the building. Water stained leaves and wetland species such as silver maple (Acer saccharinum) and black willow (Salix nigra) were observed here, indicating that this area may hold water following rain events; however, no water was observed during the site visit.

Wetlands and Sensitive Waterways

There were no lakes, ponds, or wetlands observed on the site.

Surface Water and Sediment Data Presentation

Surface water and sediment sampling was not judged to be necessary for the invesigation; consequently, there is no data to present.

Air

PCB's are considered semi-volatile compounds; therefore air sampling was not performed.

Soils, Geology, and Hydrogeology

This section provides discussion and review of regional and site hydrogeology and climate. Regional information comes from published literature and personal communications.

Regional Geology and Hydrogeology

Regional Geology

Lonoke is located within the Mississippi Embayment Physiologic Region of Arkansas. This part of Arkansas is characterized by unconsolidated Quaternary alluvial and terrace deposits. Quaternary alluvial and terrace deposits include a complex sequence of unconsolidated gravels, sandy gravels, sands, silty sands, silts, clayey silts, and clays. The individual deposits are often lenticular and discontinuous. At least three terrace levels are recognized, with the lowest being the youngest. Fossils are rare. The lower contact is unconformable and the thickness is variable (Haley, B.R., et al, 1976). The shallow Quaternary alluvium terrace deposits of the Mississippi embayment aquifer system have been identified as the principal aquifer source of primary groundwater in Lonoke County and they function as the principal source of irrigation water in Arkansas. The Mississippi embayment aquifer system extends eastward from Arkansas to northwestern Mississippi and comprises six aquifers that crop out as an arcuate band of poorly consolidated to unconsolidated, bedded sand, silt, and clay. Geologic units of the aquifer system range from Late Cretaceous to middle Eocene in age.

Regional Hydrogeology

The alluvial aquifer is the uppermost aquifer in this area. In the embayed part of the Gulf Coastal Plain of eastern Arkansas, northeastern Louisiana, and northwestern Mississippi, the southward-dipping strata of the Mississippi embayment aquifer system are hydraulically connected to the Mississippi River Valley alluvial aquifer. The alluvial aquifer is an excellent source of water because of its favorable hydrologic characteristics. Total thickness of the alluvial aquifer in Arkansas ranges from about 50 to 150 feet, thus providing a limited but still considerable amount of stored groundwater. Throughout much of Arkansas, the alluvial aquifer is overlain by a silt and clay unit that is generally 10 to 50 feet thick. Individual wells completed in the aquifer typically produce between 300 to 2,000 gallons per minute (gpm) and average about 800 gpm (Czarnecki, Hays, and McKee, 2000). Infiltrating precipitation recharges the Quaternary aquifers, particularly in areas where higher-permeability material is exposed at the surface. Based on local topography, local groundwater flow is presumed to be to the southeast; however, actual depth to groundwater and flow direction at this property can only be determined through a hydrogeologic investigation.

The Arkansas Ambient Ground-Water Monitoring Program was initiated in 1986 by ADEQ to monitor overall groundwater quality in the State of Arkansas. The program, which was originally called the Arkansas Prototype Monitoring Program, was renamed to better describe the program activities. The program currently consists of 10 monitoring areas. Lonoke is designated as a monitoring area. The Lonoke Monitoring Area includes the town of Lonoke and surrounding areas in central Lonoke County and is also located

in the Mississippi Embayment physiographic province. Groundwater is withdrawn from the alluvial and Sparta aquifers for agricultural, domestic, and municipal use. This monitoring area was selected because it represents a rural, agricultural community that relies entirely on groundwater for all of its water needs. Pesticides are the primary potential contaminants in the area.

A review of the environmental database indicates 16 groundwater wells located within a one-mile radius of the property. Fourteen of the wells are USGS wells (Appendix B). The remaining two wells are public water supply wells operated by the Lonoke Waterworks. The USGS wells appear to be completed in alluvial and terrace deposits at depths ranging from 108 and 190 feet bgs. The Lonoke Public Water Supply wells are located approximately 2,000 feet north-northeast of the site, and depths of completion range from 157 feet bgs in the alluvial aquifer to 439 feet bgs in the Sparta Sand.

Regional Climate

Information regarding climate was obtained from the U.S. Department of Agriculture (USDA). The Lonoke area is hot and humid in the summer, and moderately cool in the winter. The average high summer temperatures are approximately 80°F and lows are in the upper 60s°F. Winters are moderately cool, with average highs in the low 50s°F and lows of about 29°F. Precipitation peaks in late April and May with slightly less than 5 inches of rainfall, and again in November, with just under 6 inches; winter snowfall is typically under 2.5 inches and peaks in January. Average wind velocity is fairly consistent, peaking at 10.5 miles per hour (mph) during early spring and dropping to just above six mph in summer.

Regional Hydrology

According to the United States Census Bureau, Lonoke has a total area of 4.6 square miles. Of the total area, 4.3 square miles comprises land, with 0.3 square mile (6.07%) comprising water. The closest water body to the site is a tributary of White Oak Creek, approximately 500 feet south of the site. Regional drainage is generally oriented southeastward towards White Oak Creek. White Oak Creek flows in an easterly direction before emptying into Bayou Two Prairie, approximately six miles east of the site. Several fish hatcheries and aquaculture-related industries are located in and around the city of Lonoke. Bayou Meto, which is located approximately 2.2 miles east-southeast of the site, is the next closest water body. According to ADEQ's 2004 Integrated Water Quality Monitoring and Assessment Report, the upper reach of Bayou Meto is under a fish consumption advisory due to the presence of dioxin in fish tissue. The source has reportedly been eliminated and the contamination is being addressed through natural attenuation. The report indicates that one of the most common complaints concerning this stream is that pumping water from the Bayou for irrigation purposes is severely impairing the stream uses.

Site Soils, Geology, and Hydrogeology

Stratigraphy

In general, soils observed in the five shallow (4 feet bgs) borings consisted of gray to tan mottled silt or sandy silt grading to clayey silt or silty clay. Groundwater was not encountered in any of the borings. Boring logs are presented in Appendix C.

Soil Survey EnSafe reviewed the Soil Survey of Lonoke and Prairie Counties, Arkansas, prepared by the USDA, Soil Conservation Service. According to the survey, two soil types are found on the property. Soils on the northwestern one-half of the property consist of Calhoun silt loam with 0 to 1 percent slopes. This deep, poorly drained, level soil occurs on broad flats and in depressions on Loess Plains. Typically, the surface layer is dark grayish brown, mottled silt loam about 5 inches thick. The subsurface layer is grayish brown and light brownish gray, mottled silt loam that extends to a depth of about 18 inches. The upper part of the subsoil is grayish brown, mottled silty clay loam that extends to a depth of about 41 inches. The middle part is light brownish gray, mottled silty clay loam that extends to a depth of about 52 inches. The lower part is gray, mottled silty clay loam that extends to a depth of 72 inches or more. The Calhoun series is moderate in natural fertility and low in organic matter content. Reaction in the surface layer ranges from very strongly acid to medium acid. Permeability is slow, and the available water capacity is high. This soil type typically has a perched high water table within 0.5 foot to 2 feet of the surface in winter and early spring.

Soils on the southeastern one-half of the property consist of Calloway silt loam with 0 to 1 percent slopes. Deep, somewhat poorly drained, level soil occurs on broad flats and terraces. Typically, the surface layer is dark grayish brown, mottled silt loam about 5 inches thick. The subsurface layer is grayish brown mottled silt loam that extends to a depth of about 10 inches. The upper part of the subsoil is yellowish brown, mottled silt loam that extends to a depth of about 21 inches. Below this is a layer of light brownish gray, mottled silt loam that extends to a depth of about 26 inches. The middle part of the subsoil is a grayish brown, mottled silty clay loam fragipan that extends to a depth of 60 inches. The lower part is grayish brown, mottled silty clay loam that extends to a depth of 72 inches or more. The Calloway series is moderate in natural fertility and low in organic matter content. Reaction in the surface layer ranges from very strongly acid to medium acid. Permeability is slow, and the available water capacity is medium. This soil type typically has a perched water table within 1 to 2 feet of the surface in winter and early spring. Applicable portions of the soil survey have been reproduced and included as Appendix D.

QUALITATIVE RISK ANALYSIS

In March 2007, ENSAFE Inc. prepared a Comprehensive Site Assessment (CSA) for the I-CAN, Incorporated site located in Lonoke, Arkansas. Twenty surface soil samples and five subsurface soil samples were collected at the Site during the CSA investigation. Surface and subsurface soil samples were analyzed for herbicides, pesticides, polychlorinated biphenyls (PCBs), RCRA metals, volatile organic compounds (VOCs),

total petroleum hydrocarbons-gasoline range organics and diesel range organics (TPH-GRO and DRO). Sample results were compared to the United States Environmental Protection Agency (USEPA) Region 6 Residential Soil Screening Levels. As a result of this comparison, PCBs were the only chemical retained as a chemical of concern (COC). PCBs were detected in surface soil samples ICISO20300 and ICISO20700 at concentrations of 42.1 mg/kg and 70.5 mg/kg, respectively. Both of these concentrations exceeded the residential screening level at a 1E-04 cancer risk (22 mg/kg). PCBs were not detected in the sub-surface soils.

As a result, ENSAFE Inc. conducted an Expanded Comprehensive Site Assessment (ECSA) at the I-CAN site in May 2008. The ECSA included the collection of additional surface soil samples in a "step-out" method. Samples were collected downgradient (i.e., away from the building) of two original sampling locations (ICIS020300 and ICIS020700) where PCBs, specifically Aroclor-1254, were detected at elevated concentrations. The first two "step-out" samples were collected approximately 5 to 7 feet downgradient from the two original sampling locations. One additional "step out" sample was collected approximately 10 to 14 feet away from the building. These samples were submitted to the laboratory, but were not to be analyzed unless the analytical results of the proposed samples indicated PCBs concentration above an action level of 1.2 mg/kg.

PCBs were detected in the first "step-out" samples (ICIS020301 and ICIS020302) collected near the southwest corner of building (original sampling location ICIS020300) at concentrations of 1.26 mg/kg and 18.6 mg/kg, respectively. These PCB concentrations and the mean of these concentrations (9.93 mg/kg) exceeded the 1.2 mg/kg action level. Consequently, the laboratory was notified to analyze the additional "stepout" sample (ICIS020303). PCBs were detected in this sample at a concentration of 1.15 mg/kg, which was below the 1.2 mg/kg action level.

PCBs were detected in the first two "step-out" samples (ICIS020701 and ICIS020702) collected near northeastern corner of building (original sampling location ICIS020700) at concentrations of 0.100 mg/kg and 0.103 mg/kg, both below the 1.2 mg/kg action level. Therefore, the additional "step-out" sample was not analyzed.

In order determine current concentrations of PCBs in these two areas, Arkansas Department of Environmental Quality (ADEQ) collected two additional samples from each these areas. One sampling event occurred in December 2011 and another in March 2012. Results from the samples collected near the southwest corner of building (original sampling location ICIS020300) indicated concentrations of PCBs were present at 0.53 mg/kg and 3.11 mg/kg. Results from the samples collected near the northeastern corner of building (original sampling location ICIS020700) indicated PCBs were non-detect at <0.03 mg/kg in the December 2011 sample and detected at 1.20 mg/kg in the March 2012 sample. Please see Appendix A, Figure 4.

The following tables summarize the PCB results.

Southwestern Corner of Building

Date	Sample I.D.	Location	PCB concentration (mg/kg)
3/7/07 (CSA)	ICISO20300	Southwest Corner	**42.1**
5/23/08 (ECSA)	ICISO20301	Step-out (5'-7')	1.26
5/23/08 (ECSA)	ICISO20302	Step-out (5'-7')	18.6
5/23/08 (ECSA)	ICISO20303	Step-out (10'-14')	1.15
12/19/12 (ADEQ)	SS-01	Southwest Corner	0.53
3/20/12 (ADEQ)	SS-01	Southwest Corner	3.11
		Residential screening level at 1E-06	0.22
		Residential screening level at 1E-04	22

Bold – exceeds 1E-04 residential screening level

Northeastern Corner of Building

Date	Sample I.D.	Location	PCB concentration (mg/kg)
3/7/07 (CSA)	ICISO20700	Northeastern Corner	**70.5**
5/23/08 (ECSA)	ICISO20701	Step-out (5'-7')	0.100
5/23/08 (ECSA)	ICISO20702	Step-out (5'-7')	0.103
5/23/08 (ECSA)		Step-out (10'-14')	Not analyzed
12/19/12 (ADEQ)	SS-03	Northeastern Corner	<0.03
3/20/12 (ADEQ)	SS-02	Northeastern Corner	1.20
		Residential screening level at 1E-06	0.22
		Residential screening level at 1E-04	22

Bold – exceeds 1E-04 residential screening level

The residential soil screening level for PCBs-Aroclor-1254 is 0.22 mg/kg and based on a 1E-06 cancer risk (1 in 1,000,000). The cancer risk range considered acceptable by USEPA is 1E-06 to 1E-04. Therefore, a screening level of 22 mg/kg for PCBs -Aroclor-1254 would be considered protective for residential scenarios. Based on sample results, only two samples have PCB concentrations above 22 mg/kg. These concentrations are 42.1 mg/kg and 70.5 mg/kg and located at the perimeter of the southwestern and northeastern corners of the building, respectively. All other detected concentrations are

within the acceptable cancer risk range. Soil remediation in these two areas to levels of 22 mg/kg or below would result in no unacceptable cancer risks.

CONCLUSIONS AND RECOMMENDATIONS

The site has two areas that are above the proposed risk-based clean-up level. These areas should be excavated to one foot. The PCB contaminated soil should be disposed of in a Toxic Substances Control Act approved facility.

REFERENCES

Ensafe. Comprehensive Site Assessment Report, I-Can, Incorporated, Lonoke, Arkansas, March 7, 2007

Environmental Data Resources, Inc. The EDR Radius Map with GeoCheck Report; I-Can, Inc.; 420 East Academy Street; Lonoke, Arkansas Inquiry No. 1710406.2s. (2006, July 10). 440 Wheelers Farm Road, Milford, Connecticut 1-800-352-0050.
— EDR Historical Topographic Map Report. (2006, July 07). Inquiry No. 1710406.4.
— The EDR Aerial Photo Decade Package "No Coverage" Document. (2006, July 07). Inquiry No. 1710406.5.
— The EDR City Directory Abstract. (2006, July 10). Inquiry No. 1710406.6.

The Land Recycling Company, Inc. (2005, March 15). Phase I Environmental Site Assessment Report; I-Can, Inc.; 420 East Academy Street; Lonoke, Arkansas. Little Rock, Arkansas.

United States Environmental Protection Agency (1989, December). Risk Assessment Guidance for Superfund (Volume I), Human Health Evaluation Manual (Part A). (Interim Final). (USEPA 540/1-89/002). Office of Emergency and Remedial Response.

U.S. Department of Agriculture, Soil Conservation Service. (1981, October). Soil Survey of Lonoke and Prairie Counties Arkansas.

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— U.S. Geological Survey. (1982) (Topographic map). Retrieved from http://www.topozone.com (April 2006).L:\2007\

APPENDIX A
FIGURES

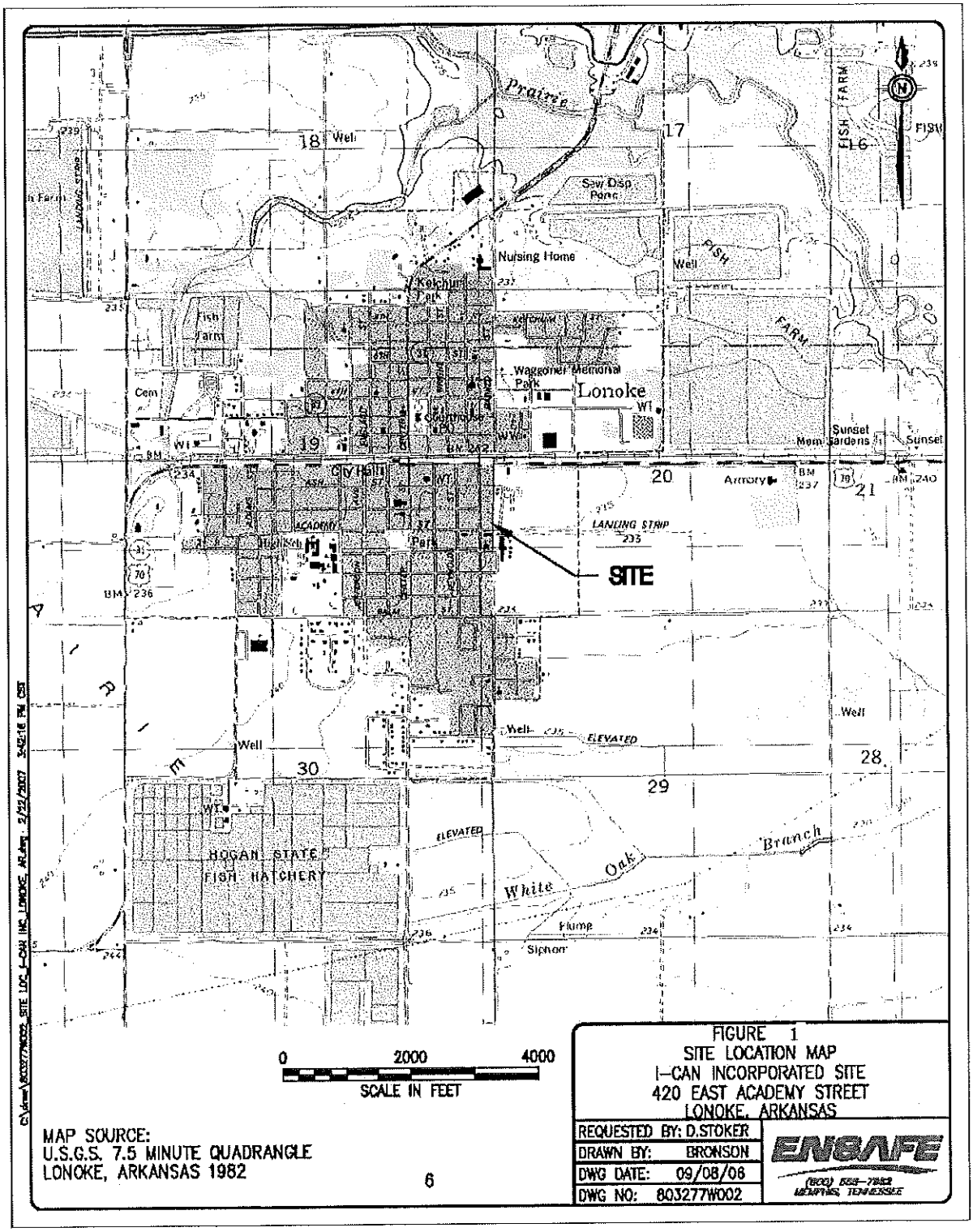
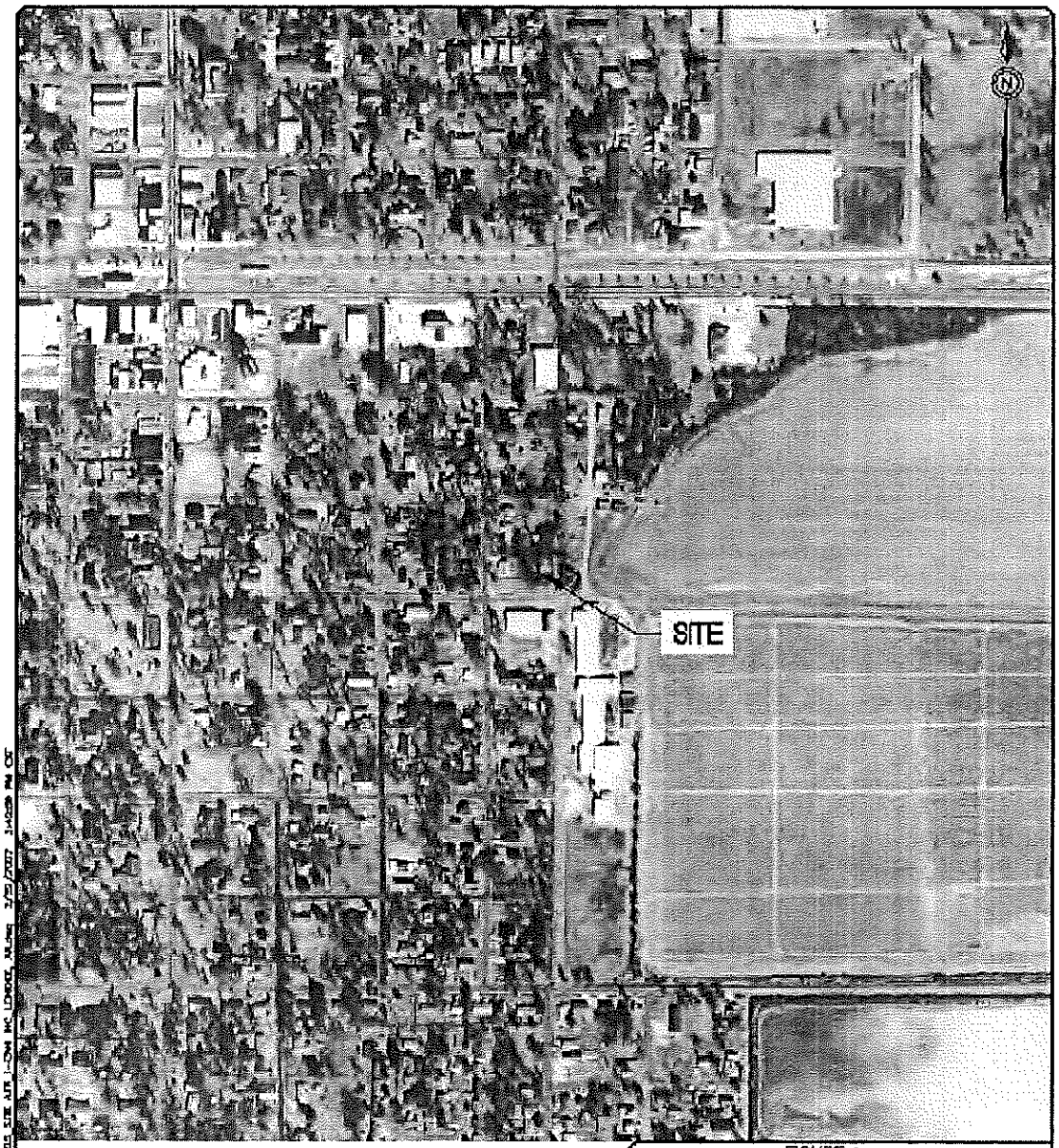


Figure altered by ADEQ by changing figure number on 4/19/2012



0 500 1000
SCALE IN FEET

MAP SOURCE:
U.S.G.S. 1-METER ORTHO PHOTO
LONOKE SE, ARKANSAS 2000-2002

FIGURE 2
SITE AERIAL PHOTOGRAPH
I-CAN INCORPORATED SITE
420 EAST ACADEMY STREET
LONOKE, ARKANSAS

REQUESTED BY:	S.A.
DRAWN BY:	K.W.
DWG DATE:	09/08/06
DWG NO:	003277W003

ENSAFE

Figure removed by ADEQ by changing figure number on 4/13/2032

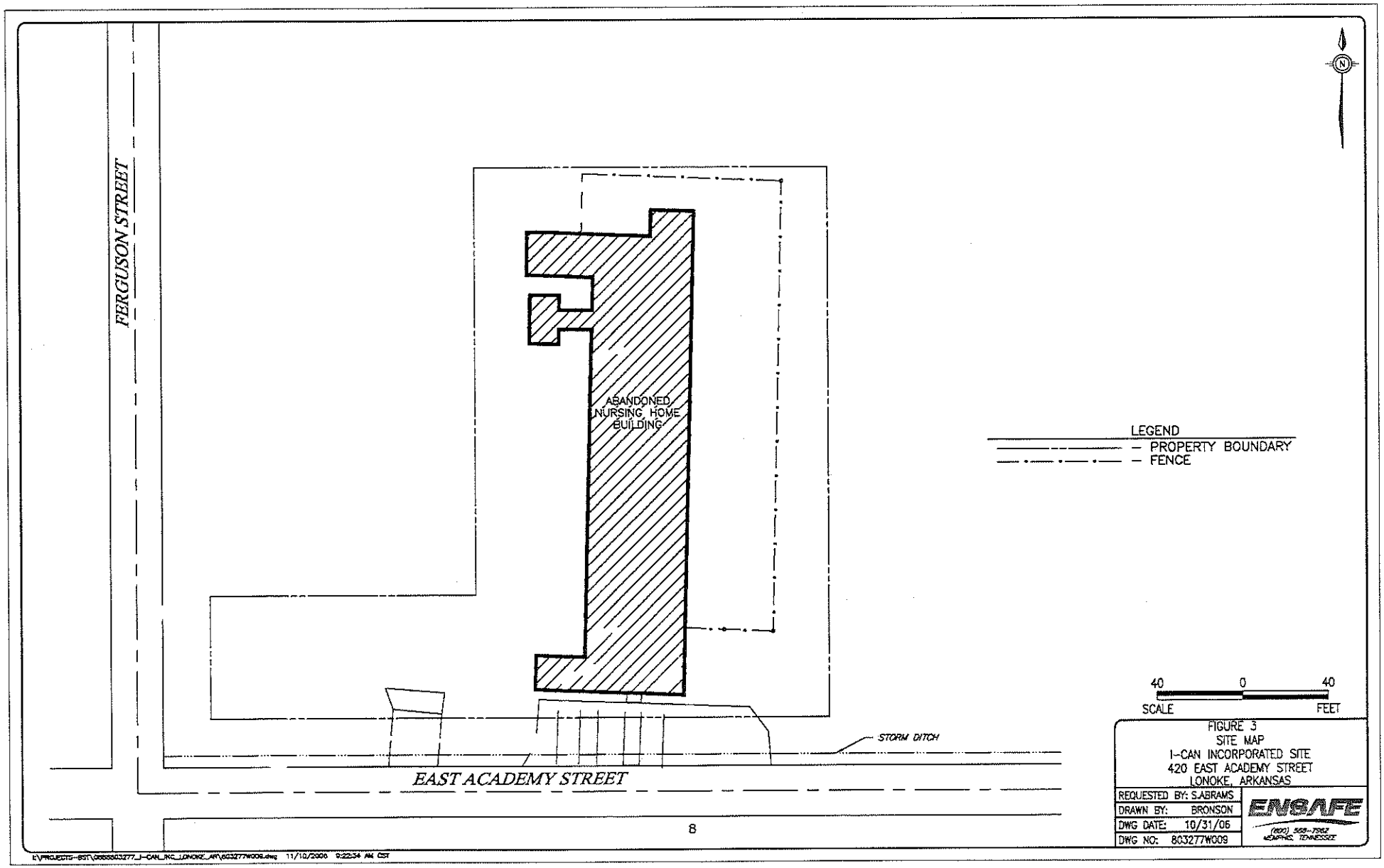
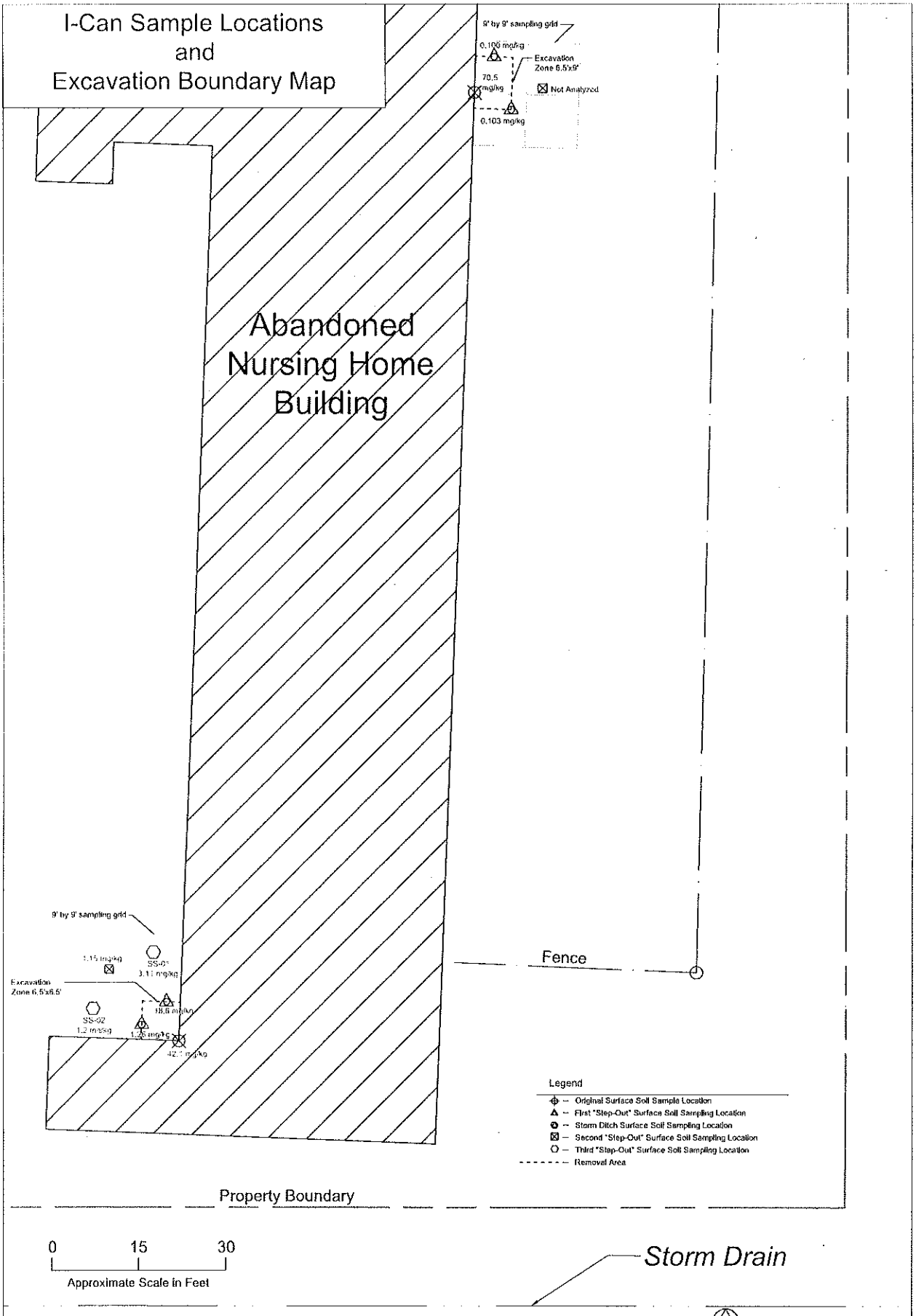


Figure altered by ADEQ by changing figure number on 1/19/2012

I-Can Sample Locations and Excavation Boundary Map



The information shown on this map was compile from various sources and should not be considered authoritative for engineering, surveying, legal, and/or other site-specific uses. Information shown on this map does not represent a boundary survey and is shown for reference only.

ADEQ
ARKANSAS
Department of Environmental Quality

April 20, 2012

Figure 4

APPENDIX B
EDR REPORT

The EDR Radius Map
with GeoCheck®

I-Can, Inc.
420 East Academy Street
Lonoke, AR 72086

Inquiry Number: 1710406.2s

July 07, 2006

EDR® Environmental
Data Resources Inc

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

FORM-STD-1ED

TABLE OF CONTENTS

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

420 EAST ACADEMY STREET
LONOKE, AR 72086

COORDINATES

Latitude (North):	34.781100 - 34° 46' 52.0"
Longitude (West):	91.895900 - 91° 53' 45.2"
Universal Tranverse Mercator:	Zone 15
UTM X (Meters):	601023.1
UTM Y (Meters):	3849126.8
Elevation:	236 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	34091-G8 LONOKE, AR
Most Recent Revision:	1982

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following government records. For more information on this property see page 6 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
I CAN, INC. 420 WEST ACADEMY STREET LONOKE, AR	BROWNFIELDS	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

FEDERAL RECORDS

NPL ..... National Priority List
Proposed NPL ..... Proposed National Priority List Sites
Delisted NPL ..... National Priority List Deletions

EXECUTIVE SUMMARY

NPL RECOVERY	Federal Superfund Liens
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP	CERCLIS No Further Remedial Action Planned
CORRACTS	Corrective Action Report
RCRA-TSDF	Resource Conservation and Recovery Act Information
RCRA-LQG	Resource Conservation and Recovery Act Information
RCRA-SQG	Resource Conservation and Recovery Act Information
ERNS	Emergency Response Notification System
HMIRS	Hazardous Materials Information Reporting System
US ENG CONTROLS	Engineering Controls Sites List
US INST CONTROL	Sites with Institutional Controls
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
US BROWNFIELDS	A Listing of Brownfields Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
ODI	Open Dump Inventory
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
SSTS	Section 7 Tracking Systems
ICIS	Integrated Compliance Information System
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File
FINDS	Facility Index System/Facility Registry System
RAATS	RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

SHWS	Hazardous Substance Remedial Action Trust Fund Priority List
SWID	Solid Waste Illegal Dumps Database
LUST	Leaking Underground Storage Tank Data
AST	Aboveground Tank Database
SPILLS	Emergency Response Incidents
INST CONTROL	Institutional Control/Land Use Restriction Sites
VCP	Voluntary Cleanup Program Sites
ENF	Consent Administrative Order, Notice of Violation Information Database
AR Sludge	Poultry Sludge Permit Sites
PERMITS	Permit Data System
AIRS	Permitted Facility Emission & Stack Data
ASBESTOS	Asbestos Notification of Intent Database

TRIBAL RECORDS

INDIAN RESERV	Indian Reservations

EDR PROPRIETARY RECORDS

Manufactured Gas Plants	EDR Proprietary Manufactured Gas Plants
EDR Historical Auto Stations	EDR Proprietary Historic Gas Stations
EDR Historical Cleaners	EDR Proprietary Historic Dry Cleaners

EXECUTIVE SUMMARY

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STATE AND LOCAL RECORDS

SWF/LF: Permit Data System - Solid Waste Facilities.

A review of the SWF/LF list, as provided by EDR, and dated 06/06/2006 has revealed that there are 2 SWF/LF sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
REG34	115 JEFFERSON	1/4 - 1/2 WNW	A6	20
CENTRAL ARKANSAS RSWMD	115 JEFFERSON	1/4 - 1/2 WNW	A7	24

SWRCY: Registered Directory of the Department of Environmental Quality.

A review of the SWRCY list, as provided by EDR, and dated 06/05/2006 has revealed that there is 1 SWRCY site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
LONOKE COUNTY SOLID WASTE	200 N. CENTER	1/4 - 1/2 NW	5	20

UST: RST Owner & Facilities.

A review of the UST list, as provided by EDR, and dated 04/13/2006 has revealed that there are 3 UST sites within approximately 0.25 miles of the target property.

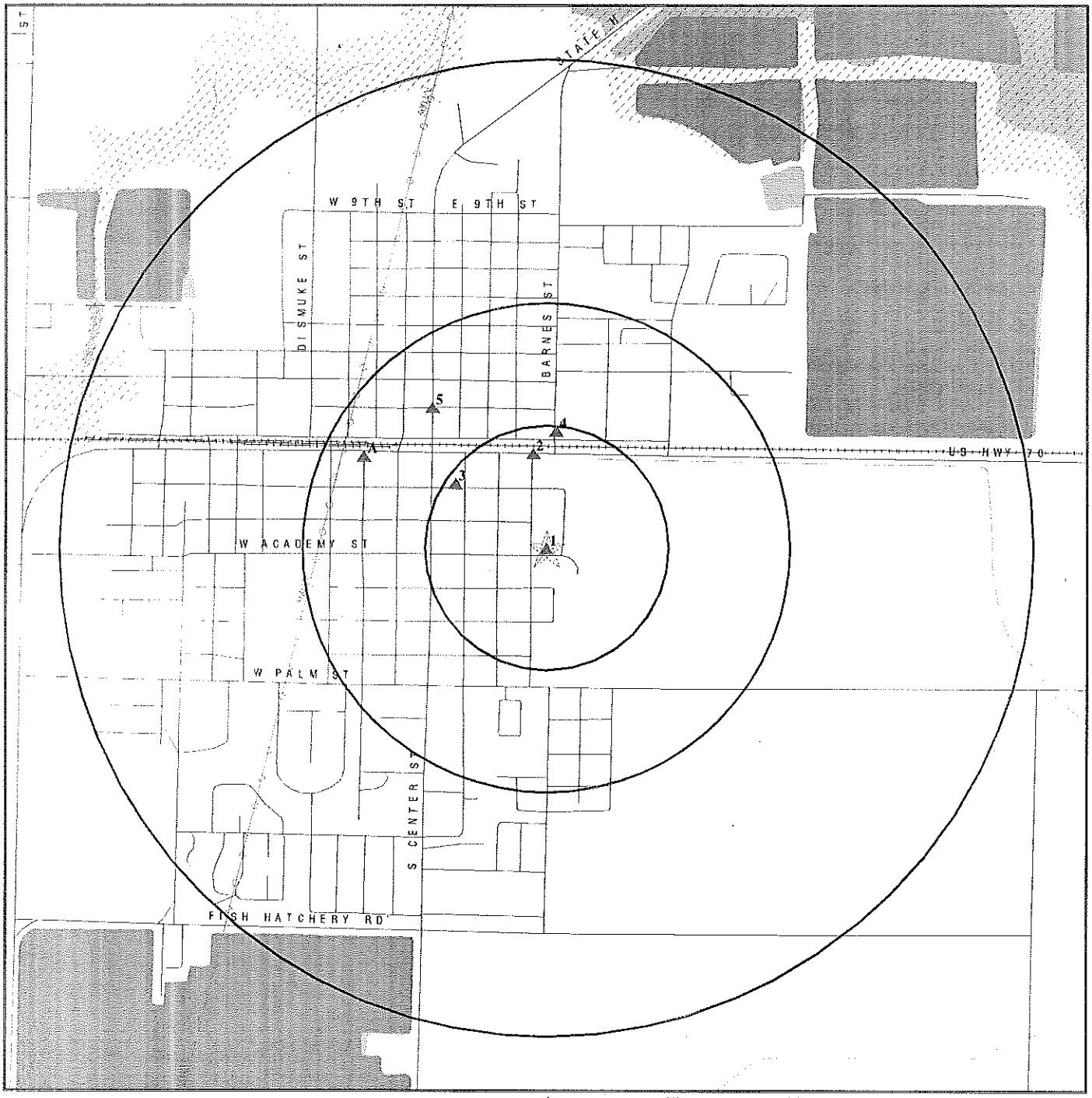
Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
JACKRABBIT FOODS	***407 EAST FRONT***	***1/8 - 1/4 N***	***2***	***6***
LONOKE CITY POLICE DEPT	***ASHLEY & HICKS STREET A***	***1/8 - 1/4 NW***	***3***	***11***
GIT & GO CONCENIENCE	***517 FRONT STREET***	***1/8 - 1/4 N***	***4***	***15***

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
LONOKE CITY OF DUMP	CERC-NFRAP
HENRY BAILEY	SWID
CABOT WATER AND WASTEWATER COMMISSION	SWF/LF, SWID
MEREDITH, R. H.	AR Sludge, PERMITS
WEATHERS, EDWARD	AR Sludge, PERMITS
HICKS, R. G.	AR Sludge, PERMITS
J & S FARMS	UST, PERMITS
GLOVER, JOE B.	AR Sludge, PERMITS
LONOKE COUNTY ROAD DEPT.	UST, PERMITS
TATE'S STATION	UST, PERMITS
SOUTHWESTERN BELL TELEPHONE	UST, PERMITS
LONOKE COUNTY - FURLOW	SWF/LF
LONOKE COUNTY COOPERATIVE, INC	LUST
LONOKE COUNTY CO-OP	LUST
LONOKE COUNTY SHOP	LUST
WALLACE FARMS	UST, AST
LONOKE COUNTY CO-OP, INC.	UST, AST
CIRCLE W EGG SALES	AST
REMINGTON ARMS CO., INC.	AST
TIDWELL FLYING SVC	RCRA-SQG, FINDS
BENAFIELD I FARM	RCRA-SQG, FINDS

OVERVIEW MAP - 1710406.2s



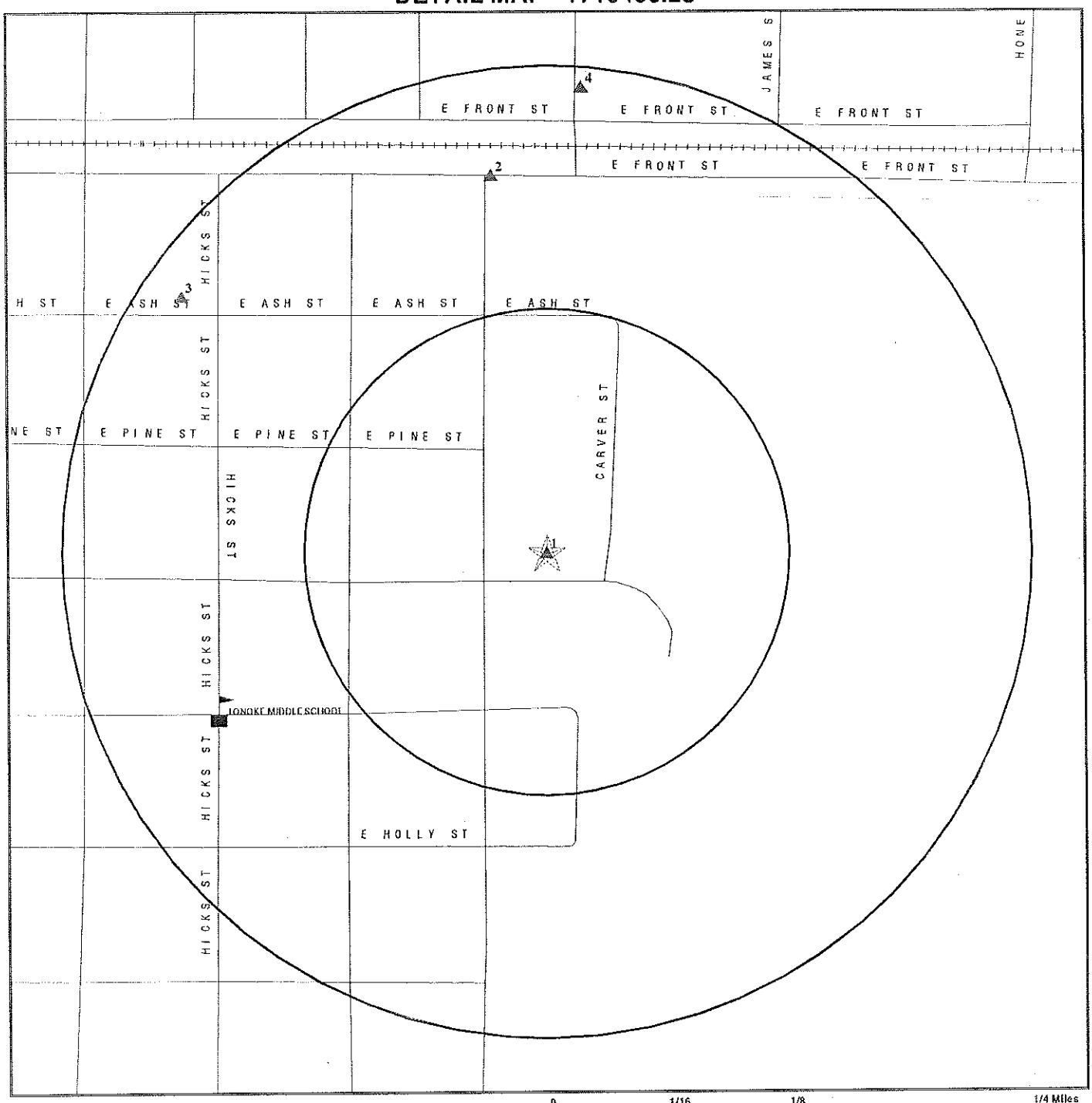
0 1/4 1/2 1 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: I-Can, Inc. ADDRESS: 420 East Academy Street Lonoke AR 72086 LAT/LONG: 34.7811 / 91.8959	CLIENT: Ensafe Inc. CONTACT: Steve Abrams INQUIRY #: 1710406.2s DATE: July 07, 2006

DETAIL MAP - 1710406.2s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: I-Can, Inc. ADDRESS: 420 East Academy Street Lonoke AR 72086 LAT/LONG: 34.7811 / 91.8959	CLIENT: Ensafe Inc. CONTACT: Steve Abrams INQUIRY #: 1710406.2s DATE: July 07, 2006

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FEDERAL RECORDS								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
NPL RECOVERY		TP	NR	NR	NR	NR	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.500	0	0	0	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRA TSD		0.500	0	0	0	NR	NR	0
RCRA Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRA Sm. Quan. Gen.		0.250	0	0	NR	NR	NR	0
ERNS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
STATE AND LOCAL RECORDS								
State Haz. Waste		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	2	NR	NR	2
SWID		0.500	0	0	0	NR	NR	0
SWRCY		0.500	0	0	1	NR	NR	1
LUST		0.500	0	0	0	NR	NR	0
UST		0.250	0	3	NR	NR	NR	3
AST		0.250	0	0	NR	NR	NR	0
SPILLS		TP	NR	NR	NR	NR	NR	0
INST CONTROL		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
BROWNFIELDS	X	0.500	0	0	0	NR	NR	0
ENF		TP	NR	NR	NR	NR	NR	0
AR Sludge		0.500	0	0	0	NR	NR	0
PERMITS		TP	NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
AIRS		TP	NR	NR	NR	NR	NR	0
ASBESTOS		TP	NR	NR	NR	NR	NR	0
TRIBAL RECORDS								
INDIAN RESERV		1.000	0	0	0	0	NR	0
EDR PROPRIETARY RECORDS								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0
EDR Historical Auto Stations		TP	NR	NR	NR	NR	NR	0
EDR Historical Cleaners		TP	NR	NR	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
1 Target Property Actual: 236 ft.	I CAN, INC. 420 WEST ACADEMY STREET LONOKE, AR	BROWNFIELDS	S106802890 N/A

AR BROWNFIELD:

ARIN Number:	4300298
BF Complete:	Active
Waste Description:	Unknown

2 North 1/8-1/4 1035 ft. Relative: Higher Actual: 240 ft.	JACKRABBIT FOODS 407 EAST FRONT LONOKE, AR 72086	UST PERMITS	U001533124 N/A

PERMIT:

Facility Type Desc:	Standard
Alternate Facility Name:	Not reported
Facility Status Code:	A
AFIN:	4300452
AFIN Status Date:	Not reported
AFIN Status Desc:	Active
Type Description:	STD
Owner Name:	MARONAY, EARL
Owner ID:	005708
Secondary Facility Address:	Not reported
Facility Invoice Billing Month:	Not reported
Facility Invoice Phone Number:	Not reported
Facility Invoice Comments:	Not reported
Facility Invoice Address:	Not reported
Facility Invoice City,St,Zip:	Not reported
Facility Invoice Country:	Not reported
Facility Telephone:	Not reported
Facility Fax:	Not reported
Facility Email:	Not reported
Mailing Address 1:	Not reported
Mailing Country:	Not reported
Other Identifier:	Not reported
Primary SIC Code:	Not reported
Secondary SIC Code:	Not reported
Tertiary SIC Code:	Not reported
Primary NAIC Code:	Not reported
Secondary NAIC Code:	Not reported
Tertiary NAICS Code:	Not reported
GIS Original Coordinate System:	Not reported
GIS Original Datum Code:	Not reported
GIS Current Datum Code:	Not reported
UTM Northing:	Not reported
UTM Easting:	Not reported
UTM Zone:	Not reported
Section/Township/Range:	Not reported
GIS Date Measured:	Not reported
GIS Source Name:	Not reported
GIS Collector Staff Code:	Not reported
GIS Certifield Measurment:	No
GPS Receiver Type Name:	Not reported
GPS Receiver Cannels:	Not reported
GIS Base Station Name:	Not reported
GIS Base Station Distance:	Not reported
GIS Min Point Positions:	Not reported
GIS Pdop Mask:	Not reported

JACKRABBIT FOODS (Continued) U001533124

GIS Snr Mask:	Not reported
GIS Horizontal Accuracy:	Not reported
GIS Comment:	Not reported
GIS Huc:	Not reported
GIS Planning Segment:	Not reported
GIS Ark Sen Dist:	Not reported
GIS Ark Rep Dist:	Not reported
Created By:	Not reported
Record Created:	5/15/2005
Modified By:	Not reported
Modified Date:	Not reported
Primary SIC Desc:	Not reported
Secondary SIC Desc:	Not reported
Tertiary SIC Desc:	Not reported
Primary NAICS Desc:	Not reported
Secondary NAICS Desc:	Not reported
Tertiary NIACS Desc:	Not reported
Latitude Degree:	Not reported
Latitude Minute:	Not reported
Latitude Second:	Not reported
Longitude Degree:	Not reported
Longitude Minute:	Not reported
Longitude Second:	Not reported
Latitude Decimal:	Not reported
Longitude Decimal:	Not reported
Comments:	New RST; RST Conversion Project 05/15/2005
Permit Number:	43001640
Permit Issued Date:	Not reported
Permit Modified Date:	Not reported
Permit Expiration Date:	Not reported
Permit Void Date:	Not reported
Permit Notice of Intent Date:	Not reported
SW Div Fac Open Closed Code:	Not reported
SW Div Fac Open Closed Desc:	Not reported
Permit Post Closure Date:	Not reported
Permit Media:	R
Permit Type:	Not reported
Permit Staff:	Not reported
Permit Status:	Not reported
Permit Status Date:	Not reported
Initial Payment Fee Inventory Number:	Not reported
Permit Fee Code:	Not reported
Permit Fee Volume:	Not reported
Permit Inventory Comment:	Not reported
Permit Inv Comment Prt:	N
Permit Inv Single Prt:	N
Permit Inv Single Lbl:	N
Permit Contact Name:	CHARLES NUGENT
Permit Contact Telephone:	5016765125
Permit Mail Address 1:	JACKRABBIT FOODS
Permit Mail Address 2:	407 EAST FRONT
Permit Mail City,St,Zip:	LONOKE, AR 72086
Permit Contact Fax Number:	Not reported
Permit Contact Email Address:	Not reported
Permit GIS Original Coordinate System:	Not reported
Permit GIS Original Datum Code:	Not reported
Permit GIS Current Datum Code:	Not reported

JACKRABBIT FOODS (Continued) U001533124

Permit UTM Northing:	Not reported
Permit UTM Easting:	Not reported
Permit UTM Zone:	Not reported
Permit Section Township Range:	Not reported
Permit GIS Date Measured:	Not reported
Permit GIS Source Name:	Not reported
Permit GIS Collector Staff Code:	Not reported
Permit GIS Certified Measurment:	Not reported
Permit GPS Receiver Type Name:	Not reported
Permit GPS Receiver Cannels:	Not reported
Permit GIS Base Station Name:	Not reported
Permit GIS Base Station Distance:	Not reported
Permit GIS Min Point Positions:	Not reported
Permit GIS PDOP Mask:	Not reported
Permit GIS SNR Mask:	Not reported
Permit GIS Hoizontal Accuracy:	Not reported
Permit GIS Comment:	Not reported
Permit GIS Huc:	Not reported
Permit GIS Planning Segment:	Not reported
Permit GIS Ark Sen Dist:	Not reported
Permit GIS Ark Rep Dist:	Not reported
Permit Prior Permit Number:	Not reported
Permit Other Identifier:	Not reported
Permit Primary SIC Code:	Not reported
Permit Secondary SIC Code:	Not reported
Permit Record Created:	8/31/1993
Permit Media Description:	RST
Permit Type:	Not reported
Permit Status Description:	Not reported
Permit Fee Description:	Not reported
Permit Staff Name:	Not reported
Permit Latitude Degree:	Not reported
Permit Latitude Minute:	Not reported
Permit Latitude Second:	Not reported
Permit Longitude Degree:	Not reported
Permit Longitude Minute:	Not reported
Permit Longitude Second:	Not reported
Permit Latitude Decimal:	Not reported
Permit Longitude Decimal:	Not reported
Permit History:	Not reported

Permit Comment: Not reported

UST:

Facility ID:	43001640	Tank ID:	1
Tank Status:	**Permanently Out of Service 01/10/96**		
Install Date:	01/01/88		
Tank Contents:	Gasoline	Cerclis Name:	Not reported
Tank Material:	Steel		
GIS Location:	0	Federal Flag:	Not reported
Hazardous:	Not reported		
Entry Clerk:	BRADFORD	Entry Date:	08/31/93
Update Clerk:	MARSH	Update Date:	02/22/96
Date Recieved:	8/26/1993	Location SIC:	Not reported
Latitude:	Not reported	Longitude:	Not reported
Contact Name:	CHARLES NUGENT	Contact Title:	MANAGER/CO-OWNER
Contact Phone:	501-676-5125		

JACKRABBIT FOODS (Continued) U001533124

Certified Name: CHARLES NUGENT
Certified Title: MANAGER/CO-OWNE
Date Signed: 8/21/1993
Amended: No
Above Ground: No
Below Ground: Yes
Lust Flag: No
Leak ID Number: Not reported
No Bill: No

Capacity in Gallons:	6000
Number of Compartments:	1
Site Assesment Date:	/ /
Site Assessment Leak:	No
Release Detection:	IC Flag
Release Detection Install Date:	/ /
Tank External Corrosion Protection:	Asphalt, / /
Tank Ext Corrosion Protection Install Date:	/ /
Pipe Material:	Galvanized Steel
Pipe Type:	Suction PVC, Suction TCV, Gravity
Piper Release Detection:	Unknown
Pipe Corrosion Protection:	Unknown
Tank Spill and Overfill Protection:	Unknown
Pipe Repaired:	/ /
Pipe Corrosion Protection:	Unknown
Certificate of Compliance Final Test Date:	/ /
Certificate of Compliance Test Company Licence:	Not reported
Certificate of Compliance Tester License:	Not reported
Certificate of Compliance Installation Date:	/ /
Certificate of Compliance Install Company Licence:	Not reported
Certificate of Compliance Installer License:	Not reported
Corrosion Protection:	Not reported
Spill and Overflow:	Not reported
Release Detection:	Not reported
ADEQ Facility ID:	4300452
ADEQ Facility ID (with dash):	43-00452
Date Reg. Cert. Issued:	5/5/1995
Active Site:	No
Aboveground in Use:	No
Underground in Use:	No
Inspection with Pix:	No
Inspection with Reports:	No
Owner ID:	005708
Owner Name:	MARONAY, EARL
Owner Address:	SALEM CEMETARY ROAD
Owner City,St,Zip:	No
Owner County:	LONOKE
Owner Country:	Not reported
Owner Phone:	501-676-3245
Owner Type:	1

Tank Comments: Not reported

AST/UST Eligible:

Date Eligable:	08/31/93
Transaction Code:	CIOU
Entry Clerk:	TERESA
Entry Date:	08/31/93
Update Clerk:	Not reported
Update Data:	/ /
Eligibility Description:	Certificate issued, original, UST

Facility ID: 43001640 Tank ID: 2

JACKRABBIT FOODS (Continued) **U001533124**

Tank Status:	**Permanently Out of Service 01/10/96**		
Install Date:	01/01/88		
Tank Contents:	Gasoline	Cerclis Name:	Not reported
Tank Material:	Steel		
GIS Location:	0	Federal Flag:	Not reported
Hazardous:	Not reported		
Entry Clerk:	BRADFORD	Entry Date:	08/31/93
Update Clerk:	MARSH	Update Date:	02/22/96
Date Recieved:	8/26/1993	Location SIC:	Not reported
Latitude:	Not reported	Longitude:	Not reported
Contact Name:	CHARLES NUGENT	Contact Title:	MANAGER/CO-OWNER
Contact Phone:	501-676-5125		
Certified Name:	CHARLES NUGENT	Certified Title:	MANAGER/CO-OWNE
Date Signed:	8/21/1993	Amended:	No
Above Ground:	No	Below Ground:	Yes
Lust Flag:	No	Leak ID Number:	Not reported
No Bill:	No		

Capacity in Gallons:	6000
Number of Compartments:	1
Site Assesment Date:	/ /
Site Assessment Leak:	No
Release Detection:	IC Flag
Release Detection Install Date:	/ /
Tank External Corrosion Protection:	Asphalt, / /
Tank Ext Corrosion Protection Install Date:	/ /
Pipe Material:	Galvanized Steel
Pipe Type:	Suction PVC, Suction TCV
Piper Release Detection:	Unknown
Pipe Corrosion Protection:	Unknown
Tank Spill and Overfill Protection:	Unknown
Pipe Repaired:	/ /
Pipe Corrosion Protection:	Unknown
Certificate of Compliance Final Test Date:	/ /
Certificate of Compliance Test Company Licence:	Not reported
Certificate of Compliance Tester License:	Not reported
Certificate of Compliance Installation Date:	/ /
Certificate of Compliance Install Company Licence:	Not reported
Certificate of Compliance Installer License:	Not reported
Corrosion Protection:	Not reported
Spill and Overflow:	Not reported
Release Detection:	Not reported
ADEQ Facility ID:	4300452
ADEQ Facility ID (with dash):	43-00452
Date Reg. Cert. Issued:	5/5/1995
Active Site:	No
Aboveground in Use:	No
Underground in Use:	No
Inspection with Pix:	No
Inspection with Reports:	No
Owner ID:	005708
Owner Name:	MARONAY, EARL
Owner Address:	SALEM CEMETARY ROAD
Owner City,St,Zip:	No
Owner County:	LONOKE
Owner Country:	Not reported
Owner Phone:	501-676-3245
Owner Type:	1

JACKRABBIT FOODS (Continued) U001533124

Tank Comments: Not reported

AST/UST Eligible:

Date Eligable:	08/31/93
Transaction Code:	CIOU
Entry Clerk:	TERESA
Entry Date:	08/31/93
Update Clerk:	Not reported
Update Data:	/ /
Eligibility Description:	Certificate issued, original, UST

---

3 **LONOKE CITY POLICE DEPT** **UST** **U001901500**
NW **ASHLEY & HICKS STREET ALLEY** **PERMITS** **N/A**
1/8-1/4 **LONOKE, AR 72086**
1212 ft.

Relative:
Higher

Actual:
240 ft.

PERMIT:

Facility Type Desc:	Standard
Alternate Facility Name:	Not reported
Facility Status Code:	A
AFIN:	4300391
AFIN Status Date:	Not reported
AFIN Status Desc:	Active
Type Description:	STD
Owner Name:	MFA OIL COMPANY
Owner ID:	006384
Secondary Facility Address:	Not reported
Facility Invoice Billing Month:	Not reported
Facility Invoice Phone Number:	Not reported
Facility Invoice Comments:	Not reported
Facility Invoice Address:	Not reported
Facility Invoice City,St,Zip:	Not reported
Facility Invoice Country:	Not reported
Facility Telephone:	Not reported
Facility Fax:	Not reported
Facility Email:	Not reported
Mailing Address 1:	Not reported
Mailing Country:	Not reported
Other Identifier:	Not reported
Primary SIC Code:	Not reported
Secondary SIC Code:	Not reported
Tertiary SIC Code:	Not reported
Primary NAIC Code:	Not reported
Secondary NAIC Code:	Not reported
Tertiary NAICS Code:	Not reported
GIS Original Coordinate System:	Not reported
GIS Original Datum Code:	Not reported
GIS Current Datum Code:	Not reported
UTM Northing:	Not reported
UTM Easting:	Not reported
UTM Zone:	Not reported
Section/Township/Range:	Not reported
GIS Date Measured:	Not reported
GIS Source Name:	Not reported
GIS Collector Staff Code:	Not reported
GIS Certifield Measurment:	No
GPS Receiver Type Name:	Not reported

LONOKE CITY POLICE DEPT (Continued) U001901500

GPS Receiver Cannels:	Not reported
GIS Base Station Name:	Not reported
GIS Base Station Distance:	Not reported
GIS Min Point Positions:	Not reported
GIS Pdop Mask:	Not reported
GIS Snr Mask:	Not reported
GIS Horizontal Accuracy:	Not reported
GIS Comment:	Not reported
GIS Huc:	Not reported
GIS Planning Segment:	Not reported
GIS Ark Sen Dist:	Not reported
GIS Ark Rep Dist:	Not reported
Created By:	Not reported
Record Created:	5/15/2005
Modified By:	Not reported
Modified Date:	Not reported
Primary SIC Desc:	Not reported
Secondary SIC Desc:	Not reported
Tertiary SIC Desc:	Not reported
Primary NAICS Desc:	Not reported
Secondary NAICS Desc:	Not reported
Tertiary NIACS Desc:	Not reported
Latitude Degree:	Not reported
Latitude Minute:	Not reported
Latitude Second:	Not reported
Longitude Degree:	Not reported
Longitude Minute:	Not reported
Longitude Second:	Not reported
Latitude Decimal:	Not reported
Longitude Decimal:	Not reported
Comments:	New RST; RST Conversion Project 05/15/2005
Permit Number:	43000095
Permit Issued Date:	Not reported
Permit Modified Date:	Not reported
Permit Expiration Date:	Not reported
Permit Void Date:	Not reported
Permit Notice of Intent Date:	Not reported
SW Div Fac Open Closed Code:	Not reported
SW Div Fac Open Closed Desc:	Not reported
Permit Post Closure Date:	Not reported
Permit Media:	R
Permit Type:	Not reported
Permit Staff:	Not reported
Permit Status:	Not reported
Permit Status Date:	Not reported
Initial Payment Fee Inventory Number:	Not reported
Permit Fee Code:	Not reported
Permit Fee Volume:	Not reported
Permit Inventory Comment:	Not reported
Permit Inv Comment Prt:	N
Permit Inv Single Prt:	N
Permit Inv Single Lbl:	N
Permit Contact Name:	TERRY SCHAFER
Permit Contact Telephone:	5016765154
Permit Mail Address 1:	LONOKE CITY POLICE DEPT
Permit Mail Address 2:	ASHLEY & HICKS STREET ALLEY
Permit Mail City,St,Zip:	LONOKE, AR 72086

LONOKE CITY POLICE DEPT (Continued) U001901500

Permit Contact Fax Number: Not reported
Permit Contact Email Address: Not reported
Permit GIS Original Coordinate System: Not reported
Permit GIS Original Datum Code: Not reported
Permit GIS Current Datum Code: Not reported
Permit UTM Northing: Not reported
Permit UTM Easting: Not reported
Permit UTM Zone: Not reported
Permit Section Township Range: Not reported
Permit GIS Date Measured: Not reported
Permit GIS Source Name: Not reported
Permit GIS Collector Staff Code: Not reported
Permit GIS Certified Measurment: Not reported
Permit GPS Receiver Type Name: Not reported
Permit GPS Receiver Cannels: Not reported
Permit GIS Base Station Name: Not reported
Permit GIS Base Station Distance: Not reported
Permit GIS Min Point Positions: Not reported
Permit GIS PDOP Mask: Not reported
Permit GIS SNR Mask: Not reported
Permit GIS Hoizontal Accuracy: Not reported
Permit GIS Comment: Not reported
Permit GIS Huc: Not reported
Permit GIS Planning Segment: Not reported
Permit GIS Ark Sen Dist: Not reported
Permit GIS Ark Rep Dist: Not reported
Permit Prior Permit Number: Not reported
Permit Other Identifier: Not reported
Permit Primary SIC Code: Not reported
Permit Secondary SIC Code: Not reported
Permit Record Created: 1/15/1991
Permit Media Description: RST
Permit Type: Not reported
Permit Status Description: Not reported
Permit Fee Description: Not reported
Permit Staff Name: Not reported
Permit Latitude Degree: Not reported
Permit Latitude Minute: Not reported
Permit Latitude Second: Not reported
Permit Longitude Degree: Not reported
Permit Longitude Minute: Not reported
Permit Longitude Second: Not reported
Permit Latitude Decimal: Not reported
Permit Longitude Decimal: Not reported
Permit History: Not reported
Permit Comment: Not reported

UST:

Facility ID:	43000095	Tank ID:	1
Tank Status:	**Permanently Out of Service 03/19/96**		
Install Date:	01/01/81		
Tank Contents:	Gasoline	Cerclis Name:	Not reported
Tank Material:	Steel		
GIS Location:	0	Federal Flag:	Not reported
Hazardous:	Not reported		
Entry Clerk:	Not reported	Entry Date:	01/15/91

LONOKE CITY POLICE DEPT (Continued) U001901500

Update Clerk:	MARSH	Update Date:	04/16/96
Date Recieved:	6/20/1994	Location SIC:	Not reported
Latitude:	Not reported	Longitude:	Not reported
Contact Name:	TERRY SCHAFER	Contact Title:	TRAINING AGENT
Contact Phone:	501-676-5154		
Certified Name:	TERRY SCHAFER	Certified Title:	TRAINING AGENT
Date Signed:	6/9/1994	Amended:	Yes
Above Ground:	No	Below Ground:	Yes
Lust Flag:	No	Leak ID Number:	Not reported
No Bill:	No		

Capacity in Gallons:	550
Number of Compartments:	1
Site Assesment Date:	/ /
Site Assessment Leak:	Not reported
Release Detection:	Unknown
Release Detection Install Date:	/ /
Tank External Corrosion Protection:	Asphalt, / /
Tank Ext Corrosion Protection Install Date:	/ /
Pipe Material:	Galvanized Steel
Pipe Type:	Unknown
Piper Release Detection:	Unknown
Pipe Corrosion Protection:	Unknown
Tank Spill and Overfill Protection:	Unknown
Pipe Repaired:	/ /
Pipe Corrosion Protection:	Unknown
Certificate of Compliance Final Test Date:	/ /
Certificate of Compliance Test Company Licence:	Not reported
Certificate of Compliance Tester License:	Not reported
Certificate of Compliance Installation Date:	/ /
Certificate of Compliance Install Company Licence:	Not reported
Certificate of Compliance Installer License:	Not reported
Corrosion Protection:	Not reported
Spill and Overflow:	Not reported
Release Detection:	Not reported
ADEQ Facility ID:	4300391
ADEQ Facility ID (with dash):	43-00391
Date Reg. Cert. Issued:	5/5/1995
Active Site:	No
Aboveground in Use:	No
Underground in Use:	No
Inspection with Pix:	No
Inspection with Reports:	No
Owner ID:	006384
Owner Name:	MFA OIL COMPANY
Owner Address:	1399 WEST 3RD
Owner City,St,Zip:	No
Owner County:	LONOKE
Owner Country:	Not reported
Owner Phone:	501-676-5154
Owner Type:	1
Tank Comments:	Not reported

AST/UST Eligible:

Date Eligable:	11/15/94
Transaction Code:	CIOU
Entry Clerk:	TERESA
Entry Date:	11/15/94
Update Clerk:	Not reported

LONOKE CITY POLICE DEPT (Continued) U001901500

Update Data: / /
Eligibility Description: Certificate issued, original, UST

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4 **GIT & GO CONCENIENCE** UST U001216839
North **517 FRONT STREET** PERMITS N/A
1/8-1/4 **LONOKE, AR 72086**
1266 ft.

Relative: **Higher**

Actual: **241 ft.**

PERMIT:

Facility Type Desc:	Standard
Alternate Facility Name:	Not reported
Facility Status Code:	A
AFIN:	4300396
AFIN Status Date:	Not reported
AFIN Status Desc:	Active
Type Description:	STD
Owner Name:	SALEM, BANK OF
Owner ID:	003312
Secondary Facility Address:	Not reported
Facility Invoice Billing Month:	Not reported
Facility Invoice Phone Number:	Not reported
Facility Invoice Comments:	Not reported
Facility Invoice Address:	Not reported
Facility Invoice City,St,Zip:	Not reported
Facility Invoice Country:	Not reported
Facility Telephone:	Not reported
Facility Fax:	Not reported
Facility Email:	Not reported
Mailing Address 1:	Not reported
Mailing Country:	Not reported
Other Identifier:	Not reported
Primary SIC Code:	Not reported
Secondary SIC Code:	Not reported
Tertiary SIC Code:	Not reported
Primary NAIC Code:	Not reported
Secondary NAIC Code:	Not reported
Tertiary NAICS Code:	Not reported
GIS Original Coordinate System:	Not reported
GIS Original Datum Code:	Not reported
GIS Current Datum Code:	Not reported
UTM Northing:	Not reported
UTM Easting:	Not reported
UTM Zone:	Not reported
Section/Township/Range:	Not reported
GIS Date Measured:	Not reported
GIS Source Name:	Not reported
GIS Collector Staff Code:	Not reported
GIS Certifield Measurment:	No
GPS Receiver Type Name:	Not reported
GPS Receiver Cannels:	Not reported
GIS Base Station Name:	Not reported
GIS Base Station Distance:	Not reported
GIS Min Point Positions:	Not reported
GIS Pdop Mask:	Not reported
GIS Snr Mask:	Not reported
GIS Horizontal Accuracy:	Not reported
GIS Comment:	Not reported

GIT & GO CONCENIENCE (Continued) U001216839

GIS Huc:	Not reported
GIS Planning Segment:	Not reported
GIS Ark Sen Dist:	Not reported
GIS Ark Rep Dist:	Not reported
Created By:	Not reported
Record Created:	5/15/2005
Modified By:	Not reported
Modified Date:	Not reported
Primary SIC Desc:	Not reported
Secondary SIC Desc:	Not reported
Tertiary SIC Desc:	Not reported
Primary NAICS Desc:	Not reported
Secondary NAICS Desc:	Not reported
Tertiary NIACS Desc:	Not reported
Latitude Degree:	Not reported
Latitude Minute:	Not reported
Latitude Second:	Not reported
Longitude Degree:	Not reported
Longitude Minute:	Not reported
Longitude Second:	Not reported
Latitude Decimal:	Not reported
Longitude Decimal:	Not reported
Comments:	New RST; RST Conversion Project 05/15/2005
Permit Number:	43000100
Permit Issued Date:	Not reported
Permit Modified Date:	Not reported
Permit Expiration Date:	Not reported
Permit Void Date:	Not reported
Permit Notice of Intent Date:	Not reported
SW Div Fac Open Closed Code:	Not reported
SW Div Fac Open Closed Desc:	Not reported
Permit Post Closure Date:	Not reported
Permit Media:	R
Permit Type:	Not reported
Permit Staff:	Not reported
Permit Status:	Not reported
Permit Status Date:	Not reported
Initial Payment Fee Inventory Number:	Not reported
Permit Fee Code:	X
Permit Fee Volume:	Not reported
Permit Inventory Comment:	Not reported
Permit Inv Comment Prt:	N
Permit Inv Single Prt:	N
Permit Inv Single Lbl:	N
Permit Contact Name:	FRANK BURGESS
Permit Contact Telephone:	5018952591
Permit Mail Address 1:	GIT & GO CONCENIENCE
Permit Mail Address 2:	517 FRONT STREET
Permit Mail City,St,Zip:	LONOKE, AR 72086
Permit Contact Fax Number:	Not reported
Permit Contact Email Address:	Not reported
Permit GIS Original Coordinate System:	Not reported
Permit GIS Original Datum Code:	Not reported
Permit GIS Current Datum Code:	Not reported
Permit UTM Northing:	Not reported
Permit UTM Easting:	Not reported
Permit UTM Zone:	Not reported

GIT & GO CONCENIENCE (Continued) U001216839

Permit Section Township Range:	Not reported
Permit GIS Date Measured:	Not reported
Permit GIS Source Name:	Not reported
Permit GIS Collector Staff Code:	Not reported
Permit GIS Certified Measurment:	Not reported
Permit GPS Receiver Type Name:	Not reported
Permit GPS Receiver Cannels:	Not reported
Permit GIS Base Station Name:	Not reported
Permit GIS Base Station Distance:	Not reported
Permit GIS Min Point Positions:	Not reported
Permit GIS PDOP Mask:	Not reported
Permit GIS SNR Mask:	Not reported
Permit GIS Hoizontal Accuracy:	Not reported
Permit GIS Comment:	Not reported
Permit GIS Huc:	Not reported
Permit GIS Planning Segment:	Not reported
Permit GIS Ark Sen Dist:	Not reported
Permit GIS Ark Rep Dist:	Not reported
Permit Prior Permit Number:	Not reported
Permit Other Identifier:	Not reported
Permit Primary SIC Code:	Not reported
Permit Secondary SIC Code:	Not reported
Permit Record Created:	8/12/1991
Permit Media Description:	RST
Permit Type:	Not reported
Permit Status Description:	Not reported
Permit Fee Description:	No Charge
Permit Staff Name:	Not reported
Permit Latitude Degree:	Not reported
Permit Latitude Minute:	Not reported
Permit Latitude Second:	Not reported
Permit Longitude Degree:	Not reported
Permit Longitude Minute:	Not reported
Permit Longitude Second:	Not reported
Permit Latitude Decimal:	Not reported
Permit Longitude Decimal:	Not reported
Permit History:	Not reported

Permit Comment: Not reported

UST:

Facility ID:	43000100	Tank ID:	1
Tank Status:	**Permanently Out of Service 09/25/91**		
Install Date:	/ /		
Tank Contents:	Gasoline	Cerclis Name:	Not reported
Tank Material:	Steel		
GIS Location:	0	Federal Flag:	Not reported
Hazardous:	Not reported		
Entry Clerk:	Not reported	Entry Date:	03/04/91
Update Clerk:	MARSH	Update Date:	02/28/92
Date Recieved:	7/30/1991	Location SIC:	Not reported
Latitude:	Not reported	Longitude:	Not reported
Contact Name:	FRANK BURGESS	Contact Title:	VICE PRES
Contact Phone:	501-895-2591		
Certified Name:	FRANK BURGESS	Certified Title:	VICE PRES
Date Signed:	7/29/1991	Amended:	Yes
Above Ground:	No	Below Ground:	Yes

GIT & GO CONCENIENCE (Continued) U001216839

Lust Flag: No
No Bill: Yes
Leak ID Number: Not reported

Capacity in Gallons:	4000
Number of Compartments:	1
Site Assesment Date:	/ /
Site Assessment Leak:	Not reported
Release Detection:	Unknown
Release Detection Install Date:	/ /
Tank External Corrosion Protection:	Unknown, / /
Tank Ext Corrosion Protection Install Date:	/ /
Pipe Material:	Unknown
Pipe Type:	Unknown
Piper Release Detection:	Unknown
Pipe Corrosion Protection:	Unknown
Tank Spill and Overfill Protection:	Unknown
Pipe Repaired:	/ /
Pipe Corrosion Protection:	Unknown
Certificate of Compliance Final Test Date:	/ /
Certificate of Compliance Test Company Licence:	Not reported
Certificate of Compliance Tester License:	Not reported
Certificate of Compliance Installation Date:	/ /
Certificate of Compliance Install Company Licence:	Not reported
Certificate of Compliance Installer License:	Not reported
Corrosion Protection:	Not reported
Spill and Overflow:	Not reported
Release Detection:	Not reported
ADEQ Facility ID:	4300396
ADEQ Facility ID (with dash):	43-00396
Date Reg. Cert. Issued:	Not reported
Active Site:	No
Aboveground in Use:	No
Underground in Use:	No
Inspection with Pix:	No
Inspection with Reports:	No
Owner ID:	003312
Owner Name:	SALEM, BANK OF
Owner Address:	202 CHURCH STREET
Owner City,St,Zip:	No
Owner County:	FULTON
Owner Country:	Not reported
Owner Phone:	501-895-2591
Owner Type:	1

Tank Comments: Not reported

AST/UST Eligible:

Date Eligable:	Not reported
Transaction Code:	Not reported
Entry Clerk:	Not reported
Entry Date:	Not reported
Update Clerk:	Not reported
Update Data:	Not reported
Eligibility Description:	Not reported

Facility ID: 43000100 Tank ID: 2
Tank Status: Permanently Out of Service 09/25/91
Install Date: / /
Tank Contents: Gasoline Cerclis Name: Not reported

GIT & GO CONCENIENCE (Continued) U001216839

Tank Material:	Steel		
GIS Location:	0	Federal Flag:	Not reported
Hazardous:	Not reported		
Entry Clerk:	Not reported	Entry Date:	03/04/91
Update Clerk:	MARSH	Update Date:	02/28/92
Date Recieved:	7/30/1991	Location SIC:	Not reported
Latitude:	Not reported	Longitude:	Not reported
Contact Name:	FRANK BURGESS	Contact Title:	VICE PRES
Contact Phone:	501-895-2591		
Certified Name:	FRANK BURGESS	Certified Title:	VICE PRES
Date Signed:	7/29/1991	Amended:	Yes
Above Ground:	No	Below Ground:	Yes
Lust Flag:	No	Leak ID Number:	Not reported
No Bill:	Yes		

Capacity in Gallons:	6000
Number of Compartments:	1
Site Assesment Date:	/ /
Site Assessment Leak:	Not reported
Release Detection:	Unknown
Release Detection Install Date:	/ /
Tank External Corrosion Protection:	Unknown, / /
Tank Ext Corrosion Protection Install Date:	/ /
Pipe Material:	Galvanized Steel
Pipe Type:	Unknown
Piper Release Detection:	Unknown
Pipe Corrosion Protection:	Unknown
Tank Spill and Overfill Protection:	Unknown
Pipe Repaired:	/ /
Pipe Corrosion Protection:	Unknown
Certificate of Compliance Final Test Date:	/ /
Certificate of Compliance Test Company Licence:	Not reported
Certificate of Compliance Tester License:	Not reported
Certificate of Compliance Installation Date:	/ /
Certificate of Compliance Install Company Licence:	Not reported
Certificate of Compliance Installer License:	Not reported
Corrosion Protection:	Not reported
Spill and Overflow:	Not reported
Release Detection:	Not reported
ADEQ Facility ID:	4300396
ADEQ Facility ID (with dash):	43-00396
Date Reg. Cert. Issued:	Not reported
Active Site:	No
Aboveground in Use:	No
Underground in Use:	No
Inspection with Pix:	No
Inspection with Reports:	No
Owner ID:	003312
Owner Name:	SALEM, BANK OF
Owner Address:	202 CHURCH STREET
Owner City,St,Zip:	No
Owner County:	FULTON
Owner Country:	Not reported
Owner Phone:	501-895-2591
Owner Type:	1

Tank Comments: Not reported

AST/UST Eligible:
Date Eligable: Not reported

GIT & GO CONCENIENCE (Continued) U001216839

Transaction Code: Not reported
Entry Clerk: Not reported
Entry Date: Not reported
Update Clerk: Not reported
Update Data: Not reported
Eligibility Description: Not reported

5
NW
1/4-1/2
1960 ft.

LONOKE COUNTY SOLID WASTE SWRCY S105220101
200 N. CENTER N/A
LONOKE, AR 72086

Relative:
Higher

Actual:
240 ft.

AR SWRCY:

Region Name:	Central
First Name:	Jim
Last Name:	DePriest
Telephone:	(501) 676-3011
Fax:	(501) 676-3016
Transportation Provided:	No
Public:	Yes
Contracts with Cities:	No
RSWM District:	Central
Email:	Not reported
Date Revised:	7/20/2005
Broker:	No
Collector:	Yes
End User:	No
Generator:	No
Municipil:	Yes
Processor:	No
Other:	No
Last Year Collections Reported:	2004
Facility ID:	172
Position:	Not reported
Material:	Paper-Cardboard OCC
Notes:	Not reported

A6
WNW
1/4-1/2
2209 ft.

REG34 SWF/LF S106515372
115 JEFFERSON N/A
LONOKE, AR 72086

Site 1 of 2 in cluster A

Relative:
Higher

Actual:
240 ft.

LF:

Facility ID:	00-00000	AFIN:	0000000
Class:	xx	Permit Number:	Reg34
Facility Report:	Yes	Facility Telephone:	Not reported
Permit Code:	Q	Facility Code:	N
Permit Code 1:	Not reported	Permit Code 2:	Not reported
Open:	ON	Closed:	Not reported
Latitude:	Not reported	Longitude:	Not reported
Permit Name:	Not reported	Permit Tracking:	Yes
Owner Name:	Misc		
Owner Address:	Not reported		
Owner City,St,Zip:	Not reported		

REG34 (Continued) **S106515372**

Telephone: Not reported

Facility ID: 00-00000
Class: XX
Facility Report: Yes
Permit Code: U
Permit Code 1: Not reported
Open: ON
Latitude: Not reported
Permit Name: Not reported
Owner Name: Wayne Arnold Road Boring Co
Owner Address: Not reported
Owner City,St,Zip: Not reported
Telephone: Not reported

AFIN: 0000000
Permit Number: A0110
Facility Telephone: Not reported
Facility Code: N
Permit Code 2: Not reported
Closed: Not reported
Longitude: Not reported
Permit Tracking: Yes

Facility ID: 00-00000
Class: XX
Facility Report: Yes
Permit Code: R
Permit Code 1: Not reported
Open: Not reported
Latitude: Not reported
Permit Name: Not reported
Owner Name: EWASTE
Owner Address: ,
Owner City,St,Zip: Not reported
Telephone: Not reported

AFIN: 0000000
Permit Number: EWASTE
Facility Telephone: Not reported
Facility Code: V
Permit Code 2: Not reported
Closed: Not reported
Longitude: Not reported
Permit Tracking: No

Facility ID: 00-00000
Class: XX
Facility Report: Yes
Permit Code: R
Permit Code 1: Not reported
Open: Not reported
Latitude: Not reported
Permit Name: Not reported
Owner Name: Misc
Owner Address: Not reported
Owner City,St,Zip: Not reported
Telephone: Not reported

AFIN: 0000000
Permit Number: Misc
Facility Telephone: Not reported
Facility Code: V
Permit Code 2: Not reported
Closed: Not reported
Longitude: Not reported
Permit Tracking: Yes

Facility ID: 00-00000
Class: Construction/demolition landfill
Facility Report: Yes
Permit Code: Not Issued
Permit Code 1: Not reported
Open: ON
Latitude: Not reported
Permit Name: Not reported
Owner Name: Misc
Owner Address: Not reported
Owner City,St,Zip: Not reported
Telephone: Not reported

AFIN: 0000000
Permit Number: P0001
Facility Telephone: Not reported
Facility Code: N
Permit Code 2: Not reported
Closed: Not reported
Longitude: Not reported
Permit Tracking: Yes

Facility ID: 00-00000
Class: Composting Organic Waste
Facility Report: Yes

AFIN: 0000000
Permit Number: P0146
Facility Telephone: Not reported

REG34 (Continued) **S106515372**

Permit Code:	Not Issued	Facility Code:	N
Permit Code 1:	Not reported	Permit Code 2:	Not reported
Open:	ON	Closed:	Not reported
Latitude:	Not reported	Longitude:	Not reported
Permit Name:	Not reported	Permit Tracking:	No
Owner Name:	Yell County Sanitation TS		
Owner Address:	P.O. Box 219		
Owner City,St,Zip:	Danville, AR 72833		
Telephone:	(501) 495-2630		

Facility ID:	00-00000	AFIN:	0000000
Class:	XX	Permit Number:	Reg22
Facility Report:	Yes	Facility Telephone:	Not reported
Permit Code:	R	Facility Code:	N
Permit Code 1:	Not reported	Permit Code 2:	Not reported
Open:	ON	Closed:	Not reported
Latitude:	Not reported	Longitude:	Not reported
Permit Name:	Not reported	Permit Tracking:	Yes
Owner Name:	Misc		
Owner Address:	Not reported		
Owner City,St,Zip:	Not reported		
Telephone:	Not reported		

Facility ID:	00-00000	AFIN:	0000000
Class:	XX	Permit Number:	TRIAuthority
Facility Report:	Yes	Facility Telephone:	Not reported
Permit Code:	R	Facility Code:	N
Permit Code 1:	Not reported	Permit Code 2:	Not reported
Open:	ON	Closed:	Not reported
Latitude:	Not reported	Longitude:	Not reported
Permit Name:	Not reported	Permit Tracking:	No
Owner Name:	Misc		
Owner Address:	Not reported		
Owner City,St,Zip:	Not reported		
Telephone:	Not reported		

Facility ID:	00-00000	AFIN:	0000000
Class:	XX	Permit Number:	U0022
Facility Report:	Yes	Facility Telephone:	Not reported
Permit Code:	Not Issued	Facility Code:	C
Permit Code 1:	Not reported	Permit Code 2:	Not reported
Open:	Not reported	Closed:	CP
Latitude:	Not reported	Longitude:	Not reported
Permit Name:	Not reported	Permit Tracking:	Yes
Owner Name:	Misc		
Owner Address:	Not reported		
Owner City,St,Zip:	Not reported		
Telephone:	Not reported		

Facility ID:	00-00000	AFIN:	0000000
Class:	XX	Permit Number:	U0037
Facility Report:	Yes	Facility Telephone:	Not reported
Permit Code:	Not Issued	Facility Code:	N
Permit Code 1:	Not reported	Permit Code 2:	Not reported
Open:	ON	Closed:	Not reported
Latitude:	Not reported	Longitude:	Not reported
Permit Name:	Not reported	Permit Tracking:	No

REG34 (Continued) **S106515372**

Owner Name: Nelson, John
Owner Address: Not reported
Owner City,St,Zip: Not reported
Telephone: Not reported

Facility ID: 00-00000
Class: XX
Facility Report: Yes
Permit Code: Not Issued
Permit Code 1: Not reported
Open: ON
Latitude: Not reported
Permit Name: Not reported
Owner Name: Misc
Owner Address: Not reported
Owner City,St,Zip: Not reported
Telephone: Not reported

AFIN: 0000000
Permit Number: U0043
Facility Telephone: Not reported
Facility Code: N
Permit Code 2: Not reported
Closed: Not reported
Longitude: Not reported
Permit Tracking: Yes

Facility ID: 00-00000
Class: XX
Facility Report: Yes
Permit Code: Not Issued
Permit Code 1: Not reported
Open: ON
Latitude: Not reported
Permit Name: Not reported
Owner Name: Didion Mid-South
Owner Address: Not reported
Owner City,St,Zip: Not reported
Telephone: Not reported

AFIN: 0000000
Permit Number: U0044
Facility Telephone: Not reported
Facility Code: N
Permit Code 2: Not reported
Closed: Not reported
Longitude: Not reported
Permit Tracking: No

Facility ID: 00-00000
Class: XX
Facility Report: Yes
Permit Code: Not Issued
Permit Code 1: Not reported
Open: ON
Latitude: Not reported
Permit Name: Not reported
Owner Name: Misc
Owner Address: Not reported
Owner City,St,Zip: Not reported
Telephone: Not reported

AFIN: 0000000
Permit Number: U0046
Facility Telephone: Not reported
Facility Code: N
Permit Code 2: Not reported
Closed: Not reported
Longitude: Not reported
Permit Tracking: No

Facility ID: 00-00000
Class: XX
Facility Report: Yes
Permit Code: Not Issued
Permit Code 1: Not reported
Open: ON
Latitude: Not reported
Permit Name: Not reported
Owner Name: Misc
Owner Address: Not reported
Owner City,St,Zip: Not reported
Telephone: Not reported

AFIN: 0000000
Permit Number: xx
Facility Telephone: Not reported
Facility Code: N
Permit Code 2: Not reported
Closed: Not reported
Longitude: Not reported
Permit Tracking: No

A7
WNW
1/4-1/2
2210 ft.

CENTRAL ARKANSAS RSWMD
115 JEFFERSON
LONOKE, AR 72086

SWF/LF **S107415323**
N/A

Site 2 of 2 in cluster A

Relative:
Higher

Actual:
240 ft.

LF:

Facility ID:	00-00000	AFIN:	0000000
Class:	XX	Permit Number:	RSWMD-CAR
Facility Report:	Yes	Facility Telephone:	(501) 676-2721
Permit Code:	R	Facility Code:	N
Permit Code 1:	Not reported	Permit Code 2:	Not reported
Open:	ON	Closed:	Not reported
Latitude:	Not reported	Longitude:	Not reported
Permit Name:	Not reported	Permit Tracking:	Yes
Owner Name:	Central Arkansas RSWMB		
Owner Address:	PO Box 300		
Owner City,St,Zip:	Lonoke, AR 72086		
Telephone:	(501) 676-2721		

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CABOT	S101152064	MEREDITH, R. H.	8422 AR HWY 89 SOUTH	72086	AR Sludge, PERMITS
LONOKE	S102277483	WEATHERS, EDWARD	ROUTE 1	72086	AR Sludge, PERMITS
LONOKE	S104155461	HICKS, R. G.	ROUTE 1	72086	AR Sludge, PERMITS
LONOKE	U001532776	CIRCLE W EGG SALES	RT 1 BOX 237A	72086	AST
LONOKE	A100228925	REMINGTON ARMS CO., INC.	2592 HWY 15 NORTH	72086	AST
LONOKE	U001533714	WALLACE FARMS	ROUTE 2, BOX 114	72086	UST, AST
LONOKE	S106845286	HENRY BAILEY	HIGHWAY 236 HIGGINS LANE	72086	SWID
LONOKE	S106419805	LONOKE COUNTY - FURLOW	2381 HWY 294	72086	SWF/LF
LONOKE	U001533114	J & S FARMS	RT 3 BOX 537	72086	UST, PERMITS
LONOKE	S101152062	GLOVER, JOE B.	HWY 31 NORTH	72086	AR Sludge, PERMITS
LONOKE	1003873238	LONOKE CITY OF DUMP	HWY 70 2 1/2 MI SW	72086	CERC-NFRAP
LONOKE	S100996514	LONOKE COUNTY COOPERATIVE, INC	HIGHWAY 70 EAST	72086	LUST
LONOKE	S106735246	LONOKE COUNTY CO-OP	5406 HIGHWAY 70 EAST	72086	LUST
LONOKE	U001216820	LONOKE COUNTY CO-OP, INC.	5406 HWY 70 EAST	72086	UST, AST
LONOKE	1000436143	TIDWELL FLYING SVC	HWY 89 1M N	72086	RCRA-SQG, FINDS
LONOKE	S105038360	LONOKE COUNTY SHOP	HWY 89	72086	LUST
LONOKE	U001901487	LONOKE COUNTY ROAD DEPT.	HWY 89	72086	UST, PERMITS
LONOKE	U001216774	TATE'S STATION	121 S. EAST FRONT ST.	72086	UST, PERMITS
LONOKE	U001216864	SOUTHWESTERN BELL TELEPHONE	N. FRONT DEPOT	72086	UST, PERMITS
LONOKE	1004673137	BENAFIELD I FARM	RURAL RT 15 M S HWY 31	72086	RCRA-SQG, FINDS
LONOKE COUNTY	S107027855	CABOT WATER AND WASTEWATER COMMISSION	206 NORTH FIRST STREET		SWF/LF, SWID

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

FEDERAL RECORDS

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/19/2006
Date Data Arrived at EDR: 05/05/2006
Date Made Active in Reports: 05/22/2006
Number of Days to Update: 17

Source: EPA
Telephone: N/A
Last EDR Contact: 05/05/2006
Next Scheduled EDR Contact: 07/31/2006
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 8
Telephone: 303-312-6774

EPA Region 4
Telephone 404-562-8033

Proposed NPL: Proposed National Priority List Sites

Date of Government Version: 04/19/2006
Date Data Arrived at EDR: 05/05/2006
Date Made Active in Reports: 05/22/2006
Number of Days to Update: 17

Source: EPA
Telephone: N/A
Last EDR Contact: 05/05/2006
Next Scheduled EDR Contact: 07/31/2006
Data Release Frequency: Quarterly

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/19/2006
Date Data Arrived at EDR: 05/05/2006
Date Made Active in Reports: 05/22/2006
Number of Days to Update: 17

Source: EPA
Telephone: N/A
Last EDR Contact: 05/05/2006
Next Scheduled EDR Contact: 07/31/2006
Data Release Frequency: Quarterly

NPL RECOVERY: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 05/23/2006
Next Scheduled EDR Contact: 08/21/2006
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/01/2006
Date Data Arrived at EDR: 03/21/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 23

Source: EPA
Telephone: 703-413-0223
Last EDR Contact: 06/22/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 02/01/2006
Date Data Arrived at EDR: 03/21/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 23

Source: EPA
Telephone: 703-413-0223
Last EDR Contact: 06/23/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Quarterly

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/15/2006
Date Data Arrived at EDR: 03/17/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 27

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 05/21/2006
Next Scheduled EDR Contact: 09/04/2006
Data Release Frequency: Quarterly

RCRA: Resource Conservation and Recovery Act Information

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/09/2006
Date Data Arrived at EDR: 04/27/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 33

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/28/2006
Next Scheduled EDR Contact: 08/21/2006
Data Release Frequency: Quarterly

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 01/12/2006
Date Made Active in Reports: 02/21/2006
Number of Days to Update: 40

Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342
Last EDR Contact: 04/26/2006
Next Scheduled EDR Contact: 07/24/2006
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 46

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 04/14/2006
Next Scheduled EDR Contact: 07/17/2006
Data Release Frequency: Annually

US ENG CONTROLS: Engineering Controls Sites List
A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 03/21/2006
Date Data Arrived at EDR: 03/27/2006
Date Made Active in Reports: 05/22/2006
Number of Days to Update: 56

Source: Environmental Protection Agency
Telephone: 703-603-8905
Last EDR Contact: 07/03/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls
A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 03/21/2006
Date Data Arrived at EDR: 03/27/2006
Date Made Active in Reports: 05/22/2006
Number of Days to Update: 56

Source: Environmental Protection Agency
Telephone: 703-603-8905
Last EDR Contact: 07/03/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Varies

DOD: Department of Defense Sites
This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 02/08/2005
Date Made Active in Reports: 08/04/2005
Number of Days to Update: 177

Source: USGS
Telephone: 703-692-8801
Last EDR Contact: 05/12/2006
Next Scheduled EDR Contact: 08/07/2006
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites
The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 01/19/2006
Date Made Active in Reports: 02/21/2006
Number of Days to Update: 33

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 07/03/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Varies

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 04/26/2006
Date Data Arrived at EDR: 04/27/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 33

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/12/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Semi-Annually

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/14/2004
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 04/25/2005
Number of Days to Update: 69

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 03/13/2006
Next Scheduled EDR Contact: 07/24/2006
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/13/2006
Date Data Arrived at EDR: 04/28/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 32

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 07/06/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 11/04/2005
Date Data Arrived at EDR: 11/28/2005
Date Made Active in Reports: 01/30/2006
Number of Days to Update: 63

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 06/21/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2003
Date Data Arrived at EDR: 07/13/2005
Date Made Active in Reports: 08/17/2005
Number of Days to Update: 35

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 06/22/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 46

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 04/12/2006
Next Scheduled EDR Contact: 07/17/2006
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/29/2006
Date Data Arrived at EDR: 04/26/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 34

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 06/19/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Date of Government Version: 03/31/2006
Date Data Arrived at EDR: 04/26/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 34

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 06/19/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Quarterly

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 05/11/2006
Date Made Active in Reports: 05/22/2006
Number of Days to Update: 11

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 03/06/2006
Next Scheduled EDR Contact: 07/17/2006
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 02/13/2006
Date Data Arrived at EDR: 04/21/2006
Date Made Active in Reports: 05/11/2006
Number of Days to Update: 20

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 04/11/2006
Next Scheduled EDR Contact: 07/17/2006
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 12/27/2005
Date Data Arrived at EDR: 02/08/2006
Date Made Active in Reports: 02/27/2006
Number of Days to Update: 19

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 06/28/2006
Next Scheduled EDR Contact: 08/07/2006
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/12/2006
Date Data Arrived at EDR: 04/26/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 34

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 07/03/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Quarterly

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/09/2006
Date Data Arrived at EDR: 03/29/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 62

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 06/28/2006
Next Scheduled EDR Contact: 09/25/2006
Data Release Frequency: Semi-Annually

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/27/2006
Date Data Arrived at EDR: 05/02/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 28

Source: EPA
Telephone: N/A
Last EDR Contact: 04/03/2006
Next Scheduled EDR Contact: 07/03/2006
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/05/2006
Next Scheduled EDR Contact: 09/04/2006
Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2003
Date Data Arrived at EDR: 06/17/2005
Date Made Active in Reports: 08/04/2005
Number of Days to Update: 48

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/30/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Biennially

STATE AND LOCAL RECORDS

SHWS: Hazardous Substance Remedial Action Trust Fund Priority List
A partial prioritized listing of sites at which remedial actions and/or investigations shall be provided by the Hazardous Substance Remedial Action Trust Fund.

Date of Government Version: 12/02/2005
Date Data Arrived at EDR: 01/09/2006
Date Made Active in Reports: 02/07/2006
Number of Days to Update: 29

Source: Department of Environmental Quality
Telephone: 501-682-0850
Last EDR Contact: 04/13/2006
Next Scheduled EDR Contact: 07/10/2006
Data Release Frequency: Annually

SWF/LF: Solid Waste Facility Permit Database
Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 06/06/2006
Date Data Arrived at EDR: 06/07/2006
Date Made Active in Reports: 06/29/2006
Number of Days to Update: 22

Source: Department of Environmental Quality
Telephone: 501-682-0597
Last EDR Contact: 06/07/2006
Next Scheduled EDR Contact: 09/04/2006
Data Release Frequency: Quarterly

SWID: Solid Waste Illegal Dumps Database

Date of Government Version: 06/05/2006
Date Data Arrived at EDR: 06/07/2006
Date Made Active in Reports: 06/29/2006
Number of Days to Update: 22

Source: Department of Environmental Quality
Telephone: 501-682-0600
Last EDR Contact: 06/07/2006
Next Scheduled EDR Contact: 09/04/2006
Data Release Frequency: Quarterly

SWRCY: Recycling Directory
A listing of recycling facilities.

Date of Government Version: 06/05/2006
Date Data Arrived at EDR: 06/07/2006
Date Made Active in Reports: 06/29/2006
Number of Days to Update: 22

Source: Department of Environmental Quality
Telephone: 501-682-0865
Last EDR Contact: 06/07/2006
Next Scheduled EDR Contact: 09/04/2006
Data Release Frequency: Semi-Annually

LUST: Leaking Underground Storage Tank Data
Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 04/13/2006
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/17/2006
Number of Days to Update: 33

Source: Department of Environmental Quality
Telephone: 501-682-0984
Last EDR Contact: 04/14/2006
Next Scheduled EDR Contact: 07/17/2006
Data Release Frequency: Quarterly

UST: Underground Storage Tank Data
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 04/13/2006
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/24/2006
Number of Days to Update: 40

Source: Department of Environmental Quality
Telephone: 501-682-0984
Last EDR Contact: 04/14/2006
Next Scheduled EDR Contact: 07/17/2006
Data Release Frequency: Quarterly

AST: Aboveground Tank Database
Aboveground storage tank locations.

Date of Government Version: 04/13/2006
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/24/2006
Number of Days to Update: 40

Source: Department of Environmental Quality
Telephone: 501-682-0984
Last EDR Contact: 04/14/2006
Next Scheduled EDR Contact: 07/17/2006
Data Release Frequency: Quarterly

SPILLS: Emergency Response Incidents
Spills and releases notified to the Department of Environmental Quality

Date of Government Version: 05/07/2006
Date Data Arrived at EDR: 05/09/2006
Date Made Active in Reports: 06/05/2006
Number of Days to Update: 27

Source: Department of Environmental Quality
Telephone: 501-682-0716
Last EDR Contact: 05/09/2006
Next Scheduled EDR Contact: 08/07/2006
Data Release Frequency: Quarterly

INST CONTROL: Institutional Control/Land Use Restriction Sites
Sites that have institutional controls and/or land use restrictions in place.

Date of Government Version: 12/01/2005
Date Data Arrived at EDR: 01/03/2006
Date Made Active in Reports: 02/07/2006
Number of Days to Update: 35

Source: Department of Environmental Quality
Telephone: 501-682-0867
Last EDR Contact: 06/16/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Sites
A listing of Voluntary Cleanup Program projects.

Date of Government Version: 01/12/2006
Date Data Arrived at EDR: 01/23/2006
Date Made Active in Reports: 02/27/2006
Number of Days to Update: 35

Source: Department of Environmental Quality
Telephone: 501-682-0867
Last EDR Contact: 06/26/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Varies

BROWNFIELDS: Brownfields Projects
Projects that the Department of Environmental Quality has received Brownfields applications for.

Date of Government Version: 12/01/2005
Date Data Arrived at EDR: 01/03/2006
Date Made Active in Reports: 02/07/2006
Number of Days to Update: 35

Source: Department of Environmental Quality
Telephone: 501-682-0867
Last EDR Contact: 06/16/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Varies

ENFORCEMENT: Consent Administrative Order, Notice of Violation Information Database
Violations issued to facilities in various Department of Environmental Quality programs, including Air, Hazardous Waste, Storage Tanks, Solid Waste and Water.

Date of Government Version: 04/13/2006
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/17/2006
Number of Days to Update: 33

Source: Department of Environmental Quality
Telephone: 501-682-0892
Last EDR Contact: 04/14/2006
Next Scheduled EDR Contact: 07/17/2006
Data Release Frequency: Varies

SLUDGE: Poultry Sludge Permit Sites
Broiler fryer roast chickens, chicken eggs, poultry hatcheries, poultry and egg processing sites.

Date of Government Version: 04/10/2006
Date Data Arrived at EDR: 04/11/2006
Date Made Active in Reports: 05/17/2006
Number of Days to Update: 36

Source: Department of Environmental Quality
Telephone: 501-682-0673
Last EDR Contact: 04/11/2006
Next Scheduled EDR Contact: 07/10/2006
Data Release Frequency: Quarterly

PERMITS: Permit Data System
A list of sites permitted by the Department of Environmental Quality, including Air, Mining, Solid Waste and Water.

Date of Government Version: 04/10/2006
Date Data Arrived at EDR: 04/11/2006
Date Made Active in Reports: 05/17/2006
Number of Days to Update: 36

Source: Department of Environmental Quality
Telephone: 501-682-0673
Last EDR Contact: 04/11/2006
Next Scheduled EDR Contact: 07/10/2006
Data Release Frequency: Quarterly

AIRS: Permitted Facility Emission & Stack Data
Permitted facility emissions and stack data for the state.

Date of Government Version: 04/24/2006
Date Data Arrived at EDR: 05/01/2006
Date Made Active in Reports: 06/05/2006
Number of Days to Update: 35

Source: Department of Environmental Quality
Telephone: 501-682-0726
Last EDR Contact: 05/01/2006
Next Scheduled EDR Contact: 07/24/2006
Data Release Frequency: Quarterly

ASBESTOS: Asbestos Notification of Intent Database
The database contains all properties/facilities that have submitted a Notice of Intent for renovation or demolition activities.

Date of Government Version: 05/21/2006
Date Data Arrived at EDR: 05/22/2006
Date Made Active in Reports: 06/29/2006
Number of Days to Update: 38

Source: Department of Environmental Quality
Telephone: 501-682-0717
Last EDR Contact: 05/22/2006
Next Scheduled EDR Contact: 08/21/2006
Data Release Frequency: Quarterly

TRIBAL RECORDS

INDIAN RESERV: Indian Reservations
This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 02/08/2005
Date Made Active in Reports: 08/04/2005
Number of Days to Update: 177

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 05/12/2006
Next Scheduled EDR Contact: 08/07/2006
Data Release Frequency: Semi-Annually

EDR PROPRIETARY RECORDS

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Historical Auto Stations: EDR Proprietary Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Historical Cleaners: EDR Proprietary Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 02/17/2006
Date Made Active in Reports: 04/07/2006
Number of Days to Update: 49

Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 06/14/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 05/02/2006
Date Data Arrived at EDR: 05/31/2006
Date Made Active in Reports: 06/27/2006
Number of Days to Update: 27

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/31/2006
Next Scheduled EDR Contact: 08/28/2006
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 05/04/2006
Date Made Active in Reports: 06/06/2006
Number of Days to Update: 33

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/12/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 09/30/2005
Date Data Arrived at EDR: 05/09/2006
Date Made Active in Reports: 05/24/2006
Number of Days to Update: 15

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 06/19/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 03/17/2006
Date Made Active in Reports: 05/02/2006
Number of Days to Update: 46

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/17/2006
Next Scheduled EDR Contact: 07/10/2006
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: PennWell Corporation
Telephone: (800) 823-6277
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands, Swamps, or Marshes
Source: Center for Advanced Spatial Technologies, University of Arkansas
Telephone: 605-594-6933

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

GEOCHECK®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

I-CAN, INC.
420 EAST ACADEMY STREET
LONOKE, AR 72086

TARGET PROPERTY COORDINATES

Latitude (North):	34.78110 - 34° 46' 52.0"
Longitude (West):	91.8959 - 91° 53' 45.2"
Universal Tranverse Mercator:	Zone 15
UTM X (Meters):	601023.1
UTM Y (Meters):	3849126.8
Elevation:	236 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	34091-G8 LONOKE, AR
Most Recent Revision:	1982

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

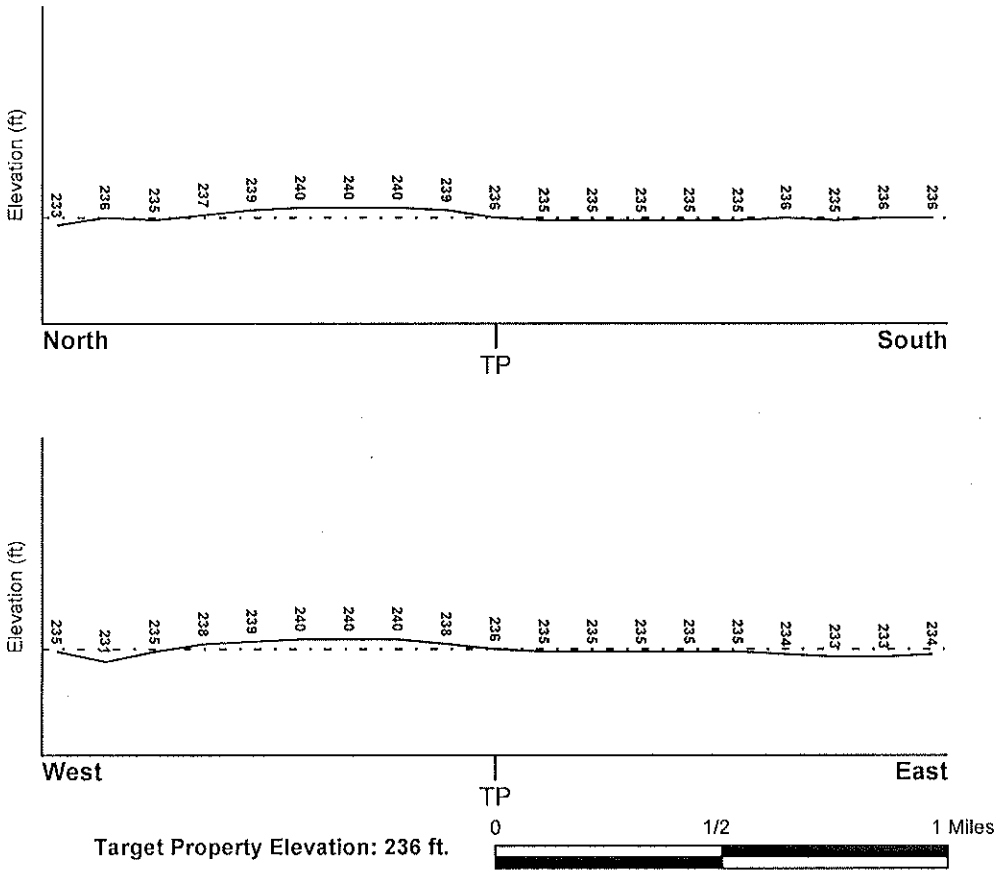
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
LONOKE, AR	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 0503410005A

Additional Panels in search area: 0504480170B

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
LONOKE	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Quaternary
Series:	Pleistocene
Code:	Qp *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	HENRY
Soil Surface Texture:	silt loam
Hydrologic Group:	Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.
Soil Drainage Class:	Poorly. Soils may have a saturated zone, a layer of low hydraulic conductivity, or seepage. Depth to water table is less than 1 foot.

Hydric Status: Soil meets the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel:	HIGH
Depth to Bedrock Min:	> 60 inches
Depth to Bedrock Max:	> 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	9 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 2.00 Min: 0.60	Max: 5.50 Min: 4.50
2	9 inches	31 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 2.00 Min: 0.60	Max: 5.50 Min: 4.50
3	31 inches	60 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 0.20 Min: 0.06	Max: 5.50 Min: 4.50
4	60 inches	80 inches	silt	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 0.60 Min: 0.20	Max: 7.80 Min: 5.10

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: No Other Soil Types

Surficial Soil Types: No Other Soil Types

Shallow Soil Types: silty clay loam

Deeper Soil Types: silt loam
silty clay loam

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS2512933	0 - 1/8 Mile ENE
2	USGS2512771	1/4 - 1/2 Mile NNW
A3	USGS2512966	1/4 - 1/2 Mile NW
A4	USGS2512967	1/4 - 1/2 Mile NW
B7	USGS2512784	1/4 - 1/2 Mile NNE
8	USGS2512796	1/4 - 1/2 Mile NE
9	USGS2513154	1/2 - 1 Mile South
10	USGS2512919	1/2 - 1 Mile East
11	USGS2512652	1/2 - 1 Mile NE
12	USGS2513148	1/2 - 1 Mile SE
13	USGS2512679	1/2 - 1 Mile NNE
14	USGS2512855	1/2 - 1 Mile NE
15	USGS2513155	1/2 - 1 Mile SW
16	USGS2513102	1/2 - 1 Mile SSW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
B6	AR0000343	1/4 - 1/2 Mile NNE

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
B5	343	1/4 - 1/2 Mile NNE

PHYSICAL SETTING SOURCE MAP - 1710406.2s

- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data

SITE NAME: I-Can, Inc. ADDRESS: 420 East Academy Street Lonoke AR 72086 LAT/LONG: 34.7811 / 91.8959	CLIENT: Ensafe Inc. CONTACT: Steve Abrams INQUIRY #: 1710406.2s DATE: July 07, 2006

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database | EDR ID Number

1
ENE
0 - 1/8 Mile
Higher

FED USGS **USGS2512933**

Agency cd:	AR008	Site no:	344653091534001
Site name:	02N08W20CB1		
Latitude:	344653		
Longitude:	0915340	Dec lat:	34.78147956
Dec lon:	-91.89458315	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	05
State:	05	County:	085
Country:	US	Land net:	NWSWS 20T 02N R 08W 5
Location map:	POCKET PRAIRIE	Map scale:	24000
Altitude:	Not Reported	Altitude method:	Not Reported
Altitude accuracy:	Not Reported	Altitude datum:	Not Reported
Hydrologic:	Bayou Meto. Arkansas. Area = 993 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	ALLUVIUM (QUATERNARY)		
Well depth:	130	Hole depth:	Not Reported
Source of depth data:	owner	Project number:	00700
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

2
NNW
1/4 - 1/2 Mile
Higher

FED USGS **USGS2512771**

Agency cd:	USGS	Site no:	344705091535001
Site name:	02N08W19ADD1		
Latitude:	344705		
Longitude:	0915350	Dec lat:	34.78481283
Dec lon:	-91.89736104	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	05
State:	05	County:	085
Country:	US	Land net:	SESENES19 T02N R08W 5
Location map:	LONOKE	Map scale:	24000
Altitude:	240.00	Altitude method:	M
Altitude accuracy:	2.5	Altitude datum:	NGVD29
Hydrologic:	Bayou Meto. Arkansas. Area = 993 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	CST

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	ALLUVIUM (QUATERNARY)		
Well depth:	155.00	Hole depth:	Not Reported
Source of depth data:	owner	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1988-07-12
Water quality data end date:	1988-07-12	Water quality data count:	1
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

A3
NW
1/4 - 1/2 Mile
Higher

FED USGS **USGS2512966**

Agency cd:	USGS	Site no:	344701091535801
Site name:	02N08W19DAB1		
Latitude:	344701		
Longitude:	0915358	Dec lat:	34.78370173
Dec lon:	-91.89958331	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	05
State:	05	County:	085
Country:	US	Land net:	NWNESES19 T02N R08W 5
Location map:	LONOKE	Map scale:	62500
Altitude:	238.00	Altitude method:	M
Altitude accuracy:	2.5	Altitude datum:	NGVD29
Hydrologic:	Bayou Meto. Arkansas. Area = 993 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	19440101
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	TERRACE (AND SURFICIAL) DEPOSITS		
Well depth:	125	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1946-06-26
Water quality data end date:	1961-10-09	Water quality data count:	3
Ground water data begin date:	1961-10-11	Ground water data end date:	1961-10-11
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1961-10-11	71.90	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A4
NW
1/4 - 1/2 Mile
Higher

FED USGS **USGS2512967**

Agency cd:	USGS	Site no:	344701091535802
Site name:	02N08W19DAB2		
Latitude:	344701		
Longitude:	0915358	Dec lat:	34.78370173
Dec lon:	-91.89958331	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	05
State:	05	County:	085
Country:	US	Land net:	NWNESES19T02NR08W 5
Location map:	LONOKE	Map scale:	62500
Altitude:	238.00	Altitude method:	M
Altitude accuracy:	2.5	Altitude datum:	NGVD29
Hydrologic:	Bayou Meto. Arkansas. Area = 993 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	18991231
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	ALLUVIUM (QUATERNARY)		
Well depth:	157	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1946-01-01	Ground water data end date:	1946-01-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1946-01-01	55.00	

B5
NNE
1/4 - 1/2 Mile
Higher

AR WELLS **343**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Public Water Sys. ID:	343		
Public Water Sys. Name:	LONOKE WATERWORKS		
PWS Address:	203 WEST FRONT ST LONOKE, AR 72036-0000		
Operator:	TONY SCROGGINS		
Source Type:	GROUND		
Treatment:	Forced Draft Aeration,No Coagulation/ Flocculation,Reaction Basin / Contact Chamber Sedimentation,Pressure - Fe/Mn Filtration,Prechlorination Disinfection,Solution Feeder Fluoridation,No Softening,Filtration Limiting Factors		
Chemicals:	Gas Chlorine,Potassium Permanganate,Lime,Nalco Naclear 7766,Hydrofluosilicic Acid		
Population Served:	4,060	County:	LONOKE COUNTY
Total Population:	4,060	Consecutive Population:	0
Office Phone:	(501) 676-6658	Plant Phone:	(501) 676-2688
Latitude:	34:47:05	Longitude:	91:53:38
Latitude:	34:47:10	Longitude:	91:53:30

B6
NNE
1/4 - 1/2 Mile
Higher

FRDS PWS **AR0000343**

PWS ID:	AR0000343	PWS Status:	Not Reported
Date Initiated:	Not Reported	Date Deactivated:	Not Reported
PWS Name:	LONOKE WATERWORKS 107 WEST 2ND STREET TONY SCROGGINS LONOKE, AR 72086		

Source: Ground water

Treatment Objective: DISINFECTION	Process: GASEOUS CHLORINATION, PRE
Treatment Objective: IRON REMOVAL	Process: AERATION, SLAT TRAY
Treatment Objective: IRON REMOVAL	Process: FILTRATION, PRESSURE SAND
Treatment Objective: IRON REMOVAL	Process: GASEOUS CHLORINATION, PRE
Treatment Objective: IRON REMOVAL	Process: PH ADJUSTMENT, PRE
Treatment Objective: MANGANESE REMOVAL	Process: GASEOUS CHLORINATION, PRE
Treatment Objective: PARTICULATE REMOVAL	Process: COAGULATION
Treatment Objective: PARTICULATE REMOVAL	Process: FILTRATION, PRESSURE SAND
Treatment Objective: PARTICULATE REMOVAL	Process: PH ADJUSTMENT, PRE
Treatment Objective: SOFTENING (HARDNESS REMOVAL)	Process: COAGULATION
Treatment Objective: SOFTENING (HARDNESS REMOVAL)	Process: FILTRATION, PRESSURE SAND
Treatment Objective: SOFTENING (HARDNESS REMOVAL)	Process: LIME - SODA ASH ADDITION
Treatment Objective: SOFTENING (HARDNESS REMOVAL)	Process: PH ADJUSTMENT, PRE
Treatment Objective: TASTE / ODOR CONTROL	Process: AERATION, SLAT TRAY
Treatment Objective: TASTE / ODOR CONTROL	Process: GASEOUS CHLORINATION, PRE
Treatment Objective: TASTE / ODOR CONTROL	Process: PERMANGANATE
Treatment Objective: OTHER	Process: FLUORIDATION

Addressee / Facility:	Operator TONY SCROGGINS		
Facility Latitude:	34 47 5.0000	Facility Longitude:	91 53 38.0000
City Served:	Not Reported		
Treatment Class:	Treated	Population:	4589

PWS currently has or had major violation(s) or enforcement: Yes

Violations information not reported.

ENFORCEMENT INFORMATION:

System Name:	LONOKE WATERWORKS		
Violation Type:	CCR Complete Failure to Report		
Contaminant:	7000		
Compliance Period:	1999-10-19 - 1999-10-20	Analytical Value:	0000000.000000000
Violation ID:	00V0001	Enforcement ID:	00E0001
Enforcement Date:	1999-10-20	Enf. Action:	Fed Compliance Achieved
System Name:	LONOKE WATERWORKS		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	2001-05-01 - 2001-05-31	Analytical Value:	0
Violation ID:	0103076	Enforcement ID:	Not Reported
Enforcement Date:	Not Reported	Enf. Action:	Not Reported
System Name:	LONOKE WATERWORKS		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	2001-05-01 - 2001-05-31	Analytical Value:	0
Violation ID:	0103076	Enforcement ID:	Not Reported
Enforcement Date:	Not Reported	Enf. Action:	Not Reported
System Name:	LONOKE WATERWORKS		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	5/1/2001 0:00:00 - 5/31/2001 0:00:00	Analytical Value:	Not Reported
Violation ID:	307601	Enforcement ID:	Not Reported
Enforcement Date:	No Enf Action as of 3/21/2006 0:00:00	Enf. Action:	Not Reported
System Name:	LONOKE WATERWORKS		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	5/1/2001 0:00:00 - 5/31/2001 0:00:00	Analytical Value:	0
Violation ID:	307601	Enforcement ID:	Not Reported
Enforcement Date:	Not Reported	Enf. Action:	NO ENF ACT

B7
NNE
1/4 - 1/2 Mile
Higher

FED USGS **USGS2512784**

Agency cd:	USGS	Site no:	344708091533501
Site name:	02N08W20BCD1		
Latitude:	344708		
Longitude:	0915335	Dec lat:	34.78555556
Dec lon:	-91.89305556	Coor meth:	G
Coor accr:	S	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	05
State:	05	County:	085
Country:	US	Land net:	SESWNWS20 T02N R08W 5
Location map:	LONOKE,AR	Map scale:	24000
Altitude:	238.0	Altitude method:	G
Altitude accuracy:	20	Altitude datum:	NAVD88
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	CST

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SPARTA AQUIFER		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1999-06-23
Water quality data end date:	2001-06-25	Water quality data count:	3
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

8
NE
1/4 - 1/2 Mile
Higher

FED USGS USGS2512796

Agency cd:	USGS	Site no:	344710091533001
Site name:	02N08W20BCA1		
Latitude:	344710		
Longitude:	0915330	Dec lat:	34.78611111
Dec lon:	-91.89166667	Coor meth:	G
Coor accr:	S	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	05
State:	05	County:	085
Country:	US	Land net:	NESWNWS20 T02N R08W 5
Location map:	LONOKE,AR	Map scale:	24000
Altitude:	Not Reported	Altitude method:	Not Reported
Altitude accuracy:	Not Reported	Altitude datum:	Not Reported
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SPARTA AQUIFER		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1999-06-23
Water quality data end date:	2001-06-04	Water quality data count:	3
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

9
South
1/2 - 1 Mile
Higher

FED USGS USGS2513154

Agency cd:	AR008	Site no:	344616091534101
Site name:	02N08W29BC1		
Latitude:	344616		
Longitude:	0915341	Dec lat:	34.77120192
Dec lon:	-91.89486081	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	05
State:	05	County:	085
Country:	US	Land net:	SWNWS 29T 02N R 08W 5
Location map:	LONOKE	Map scale:	24000
Altitude:	Not Reported	Altitude method:	Not Reported
Altitude accuracy:	Not Reported	Altitude datum:	Not Reported
Hydrologic:	Bayou Meto. Arkansas. Area = 993 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	ALLUVIUM (QUATERNARY)		
Well depth:	150	Hole depth:	Not Reported
Source of depth data:	owner	Project number:	00700
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

10
East
1/2 - 1 Mile
Lower

FED USGS **USGS2512919**

Agency cd:	AR008	Site no:	344652091525801
Site name:	02N09W21DC1		
Latitude:	344652		
Longitude:	0915258	Dec lat:	34.78120184
Dec lon:	-91.88291615	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	05
State:	05	County:	085
Country:	US	Land net:	SWSES 21T 02N R 09W 5
Location map:	LONOKE	Map scale:	24000
Altitude:	Not Reported	Altitude method:	Not Reported
Altitude accuracy:	Not Reported	Altitude datum:	Not Reported
Hydrologic:	Bayou Meto. Arkansas. Area = 993 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	108	Hole depth:	Not Reported
Source of depth data:	owner	Project number:	00700
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported

Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

11
NE
1/2 - 1 Mile
Lower

FED USGS **USGS2512652**

Agency cd:	AR008	Site no:	344726091531001
Site name:	02N08W20AB1		
Latitude:	344726		
Longitude:	0915310	Dec lat:	34.79064614
Dec lon:	-91.88624969	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	05
State:	05	County:	085
Country:	US	Land net:	NWNES 20T 02N R 08W 5
Location map:	LONOKE	Map scale:	24000
Altitude:	Not Reported	Altitude method:	Not Reported
Altitude accuracy:	Not Reported	Altitude datum:	Not Reported
Hydrologic:	Bayou Meto. Arkansas. Area = 993 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	ALLUVIUM (QUATERNARY)		
Well depth:	140	Hole depth:	Not Reported
Source of depth data:	owner	Project number:	00700
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

12
SE
1/2 - 1 Mile
Lower

FED USGS **USGS2513148**

Agency cd:	AR008	Site no:	344615091531001
Site name:	02N08W29BD1		
Latitude:	344615		
Longitude:	0915310	Dec lat:	34.77092419
Dec lon:	-91.88624945	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	05
State:	05	County:	085
Country:	US	Land net:	SENWS 29T 02N R 08W 5
Location map:	LONOKE	Map scale:	24000

Altitude:	Not Reported	Altitude method:	Not Reported
Altitude accuracy:	Not Reported	Altitude datum:	Not Reported
Hydrologic:	Bayou Meto. Arkansas. Area = 993 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	ALLUVIUM (QUATERNARY)		
Well depth:	190	Hole depth:	Not Reported
Source of depth data:	owner	Project number:	00700
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

13
NNE
1/2 - 1 Mile
Lower

FED USGS **USGS2512679**

Agency cd:	AR008	Site no:	344733091531801
Site name:	02N08W17CD1		
Latitude:	344733		
Longitude:	0915318	Dec lat:	34.79259054
Dec lon:	-91.888472	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	05
State:	05	County:	085
Country:	US	Land net:	SESWS 17T 02N R 08W 5
Location map:	LONOKE	Map scale:	24000
Altitude:	Not Reported	Altitude method:	Not Reported
Altitude accuracy:	Not Reported	Altitude datum:	Not Reported
Hydrologic:	Bayou Meto. Arkansas. Area = 993 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	ALLUVIUM (QUATERNARY)		
Well depth:	149	Hole depth:	Not Reported
Source of depth data:	owner	Project number:	00700
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
14	**FED USGS**	**USGS2512855**
NE		
1/2 - 1 Mile		
Lower		

Agency cd:	AR008	Site no:	344720091525901
Site name:	02N08W20A 1		
Latitude:	344720		
Longitude:	0915259	Dec lat:	34.78897951
Dec lon:	-91.88319403	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	05
State:	05	County:	085
Country:	US	Land net:	NES 20T 02NR 08W 5
Location map:	LONOKE	Map scale:	24000
Altitude:	Not Reported	Altitude method:	Not Reported
Altitude accuracy:	Not Reported	Altitude datum:	Not Reported
Hydrologic:	Bayou Meto. Arkansas. Area = 993 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	ALLUVIUM (QUATERNARY)		
Well depth:	140	Hole depth:	Not Reported
Source of depth data:	owner	Project number:	00700
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

	Database	EDR ID Number
15	**FED USGS**	**USGS2513155**
SW		
1/2 - 1 Mile		
Higher		

Agency cd:	USGS	Site no:	344616091542601
Site name:	02N08W30BDD1		
Latitude:	344616		
Longitude:	0915426	Dec lat:	34.77120187
Dec lon:	-91.90736115	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	05
State:	05	County:	085
Country:	US	Land net:	SESENWS30T02NR08W 5
Location map:	LONOKE	Map scale:	62500
Altitude:	237.00	Altitude method:	M
Altitude accuracy:	2.5	Altitude datum:	NGVD29
Hydrologic:	Bayou Meto. Arkansas. Area = 993 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	18991231
Date inventoried:	Not Reported	Mean greenwich time offset:	CST

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	ALLUVIUM (QUATERNARY)		
Well depth:	137	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1965-04-09	Ground water data end date:	1965-04-09
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1965-04-09	76.71	

16
SSW
1/2 - 1 Mile
Lower

FED USGS **USGS2513102**

Agency cd:	AR008	Site no:	344606091541500
Site name:	02N08W30CA1		
Latitude:	344606		
Longitude:	0915415	Dec lat:	34.76842414
Dec lon:	-91.90430548	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	05
State:	05	County:	085
Country:	US	Land net:	NESWS 30T 02N R 08W 5
Location map:	LONOKE	Map scale:	24000
Altitude:	Not Reported	Altitude method:	Not Reported
Altitude accuracy:	Not Reported	Altitude datum:	Not Reported
Hydrologic:	Bayou Meto. Arkansas. Area = 993 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	ALLUVIUM (QUATERNARY)		
Well depth:	160	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	00700
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for LONOKE County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 72086

Number of sites tested: 10

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.460 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands, Swamps, or Marshes
Source: Center for Advanced Spatial Technologies, University of Arkansas
Telephone: 605-594-6933

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Arkansas Community Public Water Systems
Source: Health Department
Telephone: 501-661-2623

OTHER STATE DATABASE INFORMATION

RADON

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

APPENDIX C
BORING LOGS

ENSAFE

LOG OF BORING S030104

I-Can, Inc
Lonoke, Arkansas

Project # 0888803273

Started	: 07/18/06@1210	Total Depth	: 4ft. bgs
Completed	: 07/18/06@1222	EnSafe	: Steve Abrams
Drilling Method	: DPT		
Sampling Method	: Continuous		
Drilling Company	: Tri-State Testing Services		

Boring: S030104

Depth in feet	Lab Sample Collected	PID (ppm)	GRAPHIC	USCS	DESCRIPTION
0		0			(0-2.0') loosely cemented, dry tannish brown Sandy Silt, trace of Clay, no odor
1		0			
2		0			(2.0-4.0') reddish brown to light gray Clayey Silt, dry, no odor
3		0			
4					
5					

Bentonite Pellets

11-13-2006 d:\well log\I-CAN\S030104.BOR

ENSAFE

LOG OF BORING S030204

I-Can, Inc
Lonoke, Arkansas

Project # 0888803273

Started	: 07/18/06@1230	Total Depth	: 4ft. bgs
Completed	: 07/18/06@1242	EnSafe	: Steve Abrams
Drilling Method	: DPT		
Sampling Method	: Continuous		
Drilling Company	: Tri-State Testing Services		

Boring: S030204

Depth in feet	Lab Sample Collected	PID (ppm)	GRAPHIC	USCS	DESCRIPTION
0					(0-0.2') grass and roots
1		0			(0.2-1.7') loosely cemented, dry tannish brown Sandy Silt, slight trace of Clay, no odor
2		0			(1.7-4.0') reddish brown and light gray mottled, fine-grained Clayey Silt, dry, no odor
3		0			
4					
5					

Bentonite Pellets

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ENSAFE

LOG OF BORING S050104

I-Can, Inc
Lonoke, Arkansas

Project # 0888803273

Started	: 07/18/06@1030	Total Depth	: 4ft. bgs
Completed	: 07/18/06@1045	Ensafe	: Steve Abrams
Drilling Method	: DPT		
Sampling Method	: Continuous		
Drilling Company	: Tri-State Testing Services		

Boring: S050104

Depth in feet	Lab Sample Collected	PID (ppm)	GRAPHIC	USCS	DESCRIPTION
0				SM	(0-0.4') dry Sandy Silty Loam, grades to Sand at 0.4', dry, no odor
1		0.0		ML	(0.4-2.4') dry, loose Sandy Silt, no odor
2		0.0			(1.7-2.4') very light colored fine-grained Silt, dry, no odor
3		0.0			(2.4-4') grey, tan mottled black Silty Clay, low plasticity, no odor, dry
4		0.0			
5					

Bentonite Pellets

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ENSAFE

LOG OF BORING S050202

I-Can, Inc
Lonoke, Arkansas

Project # 0888803273

Started	: 07/18/06@1050	Total Depth	: 4ft. bgs
Completed	: 07/18/06@1105	EnSafe	: Steve Abrams
Drilling Method	: DPT		
Sampling Method	: Continuous		
Drilling Company	: Tri-State Testing Services		

Boring: S050202

Depth in feet	Lab Sample Collected	PID (ppm)	GRAPHIC	USCS	DESCRIPTION
0					(0-0.2') grass (0.2.-0.4') roots, small Gravel with Silt (few Sandstone gravels), no odor, dry
		36.6			(0.4-1.3') tan, dry Sandy Silt, loose, trace of Clay, no odor
1					
		111			(1.3-3.0') loosely cemented light gray to tan Clayey Silt, dry, no odor, loose
2					
		109			
3					(3.0-4.0') mottle gray and tan Silty Clay, loose, high Silt content, dry, no odor
		49.7			
4					
5					

Bentonite Pellets

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ENSAFE

LOG OF BORING S050304

I-Can, Inc
Lonoke, Arkansas

Project # 0888803273

Started	: 07/18/06@1131	Total Depth	: 4ft. bgs
Completed	: 07/18/06@1151	EnSafe	: Steve Abrams
Drilling Method	: DPT		
Sampling Method	: Continuous		
Drilling Company	: Tri-State Testing Services		

Boring: S050304

Depth in feet	Lab Sample Collected	PID (ppm)	GRAPHIC	USCS	DESCRIPTION
0		0			(0-0.6') organic roots with SB-2 Gravels
1		0			(0.6-2.0') dry brown Sandy Silt, very loose, no odor
2		0			(2.0-4.0') tan and orangish brown mottled, fine-grained Clayey Silt, dry, no odor
3		0			
4					
5					

Bentonite Pellets

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ENSAFE

LOG OF BORING S030204

I-Can, Inc
Lonoke, Arkansas

Project # 0888803273

Started	: 07/18/06@1230	Total Depth	: 4ft. bgs
Completed	: 07/18/06@1242	EnSafe	: Steve Abrams
Drilling Method	: DPT		
Sampling Method	: Continuous		
Drilling Company	: Tri-State Testing Services		

Boring: S030204

Depth in feet	% Recovery	Lab Sample Collected	PID (ppm)	GRAPHIC	USCS	DESCRIPTION
0			0			(0-2') loosely cemented, dry tannish brown Sandy Silt, trace of Clay, no odor
1			0			
2	100					(2.0-4.0') reddish brown to light gray Clayey Silt, dry, no odor
3			0			
4			0			
5						

Bentonite Pellets

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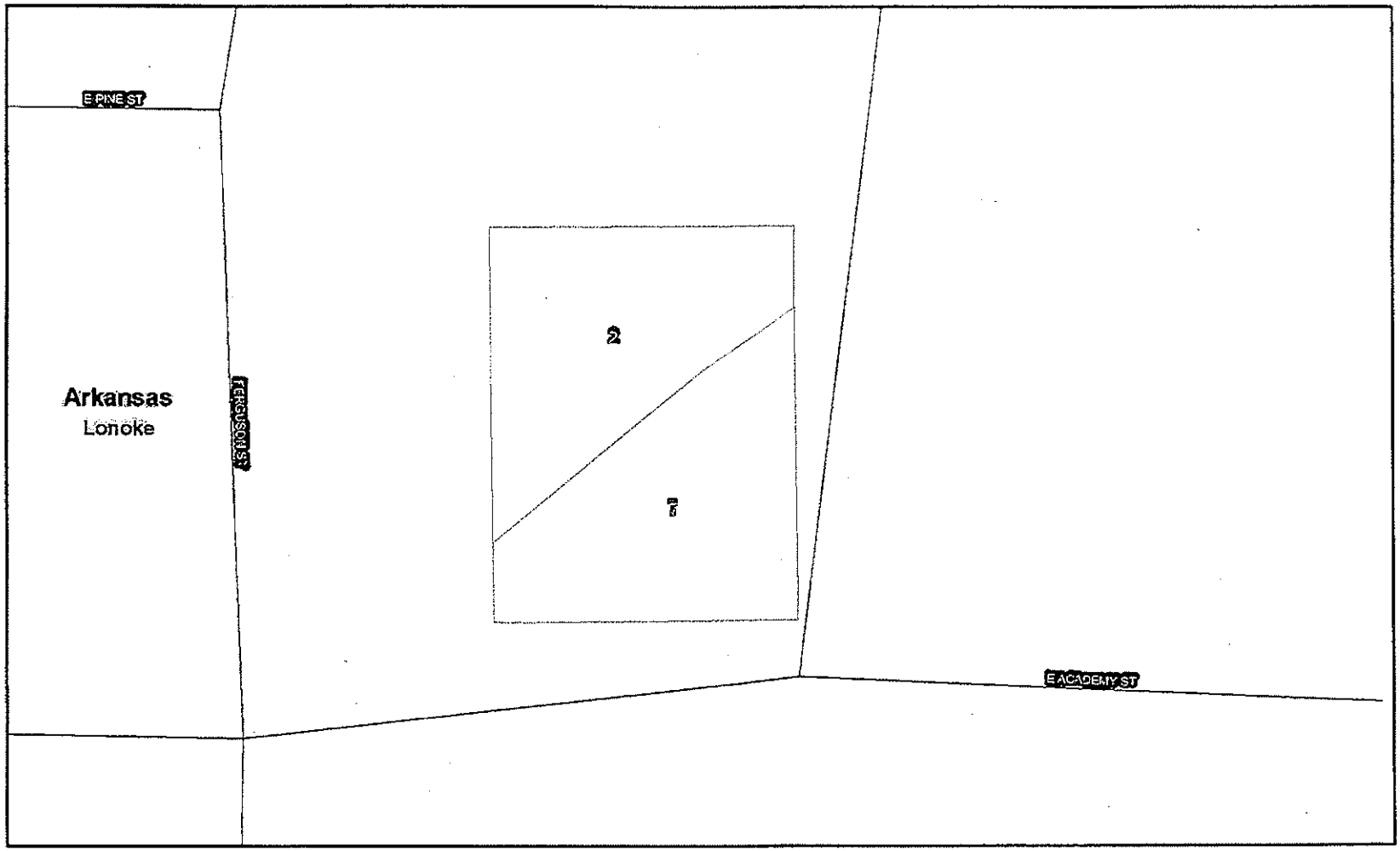
APPENDIX D
SOIL SURVEY INFORMATION

SOIL SURVEY OF LONOKE AND PRAIRIE COUNTIES, ARKANSAS



Meters
0 10 20 40

Feet
0 30 60 120 180 240

Map Unit Legend Summary

Lonoke and Prairie Counties, Arkansas

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
2	Calhoun silt loam, 0 to 1 percent slopes	0.4	49.3
7	Crowley silt loam, 0 to 1 percent slopes	0.5	50.8

This soil is severely limited for most urban uses. Its use as sites for dwellings and small commercial buildings is severely limited by flooding and wetness. Its use as sites for local roads and streets is severely limited by flooding, wetness, and low strength. Its use as septic tank filter fields is severely limited by flooding, wetness, and slow permeability. Overcoming these limitations is difficult or impractical.

This soil is in capability unit Vw-1 and woodland suitability group 2w9.

2—Calhoun silt loam, 0 to 1 percent slopes. This deep, poorly drained, level soil is on broad flats and in depressions on Loess Plains. Areas range from about 20 to more than 1,000 acres.

Typically, the surface layer is dark grayish brown, mottled silt loam about 5 inches thick. The subsurface layer is grayish brown and light brownish gray, mottled silt loam that extends to a depth of about 18 inches. The upper part of the subsoil is grayish brown, mottled silty clay loam that extends to a depth of about 41 inches. The middle part is light brownish gray, mottled silty clay loam that extends to a depth of about 52 inches. The lower part is gray, mottled silty clay loam that extends to a depth of 72 inches or more.

This soil is moderate in natural fertility and low in organic matter content. Reaction in the surface layer ranges from very strongly acid to medium acid. Reaction in the subsoil is very strongly acid and strongly acid in the upper part and ranges from very strongly acid to neutral in the lower part. Permeability is slow, and the available water capacity is high. A perched high water table is within 0.5 foot to 2 feet of the surface in winter and early in spring.

Included with this soil in mapping are a few areas of Calloway and Crowley soils and soils that are similar to Calhoun soils but do not have silty gray streaks extending into the subsoil.

This soil is well suited to rice and soybeans and is used mainly for these crops. Cotton and grain sorghum are also grown on this soil. Wetness is a severe limitation to cropland use and may delay farming operations for several days after a rain. Surface drains are needed in most areas. This soil responds well to fertilization, and tilth is easy to maintain by returning crop residue to the soil.

This soil is well suited to use as pasture and as hayland. Wetness during winter and early in spring is the main limitation to these uses. Pasture plants which grow well on this soil include bermudagrass, bahiagrass, and tall fescue.

This soil is well suited to use as woodland. Trees that commonly grow on this soil are cherrybark oak, water oak, sweetgum, and loblolly pine. Wetness is a severe limitation to the use of equipment in managing and harvesting the tree crop but can generally be overcome by harvesting during the drier season.

This soil is poorly suited to most urban uses. Its use as septic tank filter fields is severely limited by slow permeability and wetness. Its use as sites for dwellings small commercial buildings, and local roads and street is severely limited by wetness. Low strength is an additional severe limitation to the use of this soil as sit for local roads and streets. Overcoming these limitatio is difficult or impractical.

This soil is in capability unit IIIw-1 and woodland suitability group 3w9.

3—Calloway silt loam, 0 to 1 percent slopes. This deep, somewhat poorly drained, level soil is on broad flats and terraces. Areas range from about 20 to more than 1,000 acres.

Typically, the surface layer is dark grayish brown, mottled silt loam about 5 inches thick. The subsurface layer is grayish brown, mottled silt loam that extends t depth of about 10 inches. The upper part of the subso is yellowish brown, mottled silt loam that extends to a depth of about 21 inches. Below this is a layer of light brownish gray, mottled silt loam that extends to a dept of about 26 inches. The middle part of the subsoil is a grayish brown, mottled silty clay loam fragipan that extends to a depth of about 60 inches. The lower part grayish brown, mottled silty clay loam that extends to depth of 72 inches or more.

This soil is moderate in natural fertility and low in organic matter content. Reaction ranges from very strongly acid to medium acid in the surface layer and upper part of the subsoil and from strongly acid to neutral in the lower part of the subsoil. Permeability is slow, and the available water capacity is medium. A perched water table is within about 1 to 2 feet of the surface in winter and early in spring. A compact, brittle fragipan at about 16 to 32 inches restricts the penetration of roots and the movement of water throu the soil.

Included with this soil in mapping are a few small areas of Calhoun and Loring soils and a few areas of soils that are similar to Calloway soils but have a thin clayey layer above the fragipan.

This soil is well suited to row crops. The main crop i soybeans. Cotton, grain sorghum, and rice are also grown on this soil. Winter small grain can be grown if surface drainage is adequate. Wetness is a moderate limitation to the use of this soil as cropland and may delay farming operations for a few days after a rain. Surface drains are needed in some areas. This soil responds well to fertilization, and tilth is easy to mainta by returning crop residue to the soil.

This soil is well suited to use as pasture and as hayland. Wetness moderately limits these uses during winter and early in spring. Pasture plants which grow w on this soil include bermudagrass, bahiagrass, and tall fescue.

This soil is well suited to use as woodland. Trees tha commonly grow on this soil are cherrybark oak, loblolly pine, sweetgum, and water oak. Wetness moderately limits the use of equipment in managing and harvestin